e Itlining Journ

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

o. 2067.—Vol. XLV.

LONDON, SATURDAY, APRIL 3, 1875.

Bankers : The Alliance Bank (Limited); and Union Bank of London

est market prices.

Applications received for the Burnwithan Fire-Brick and Fire-Clay sha
Shares may be had for settlement at the end of May, subject to the
f a deposit of 20 per cent.

References exchanged.
Prompt attention given to all letters and telegrams.

MR. T. E. W. THOMAS, SWORN SHARE BROKER, 3, GREAT WINCHESTER STREET BUILDINGS, E.C. Established 1867.

WATSON, STOCK AND SHARE DEALER, 79, OLD BROAD STREET, LONDON.

[The MINING JOURNAL is Registered at the General Post Office as a Newspaper, and for Transmission Abroad.]

R. JAMES H. CROFTS, STOCK AND SHARE BROKER,
No. 1, FINCH LANE, CORNHILL, LONDON, E.C.
Established 1842.

NESS transacted in all descriptions of Mining Stocks and Shares (British edgn), Banks, Bonds, Railways, Miscellaneous, Insurance, Assurance, Gas, and Dock Shares. n), banks, bosons, and not having a general market value, ass negociated in Shares not having a general market value, ass in all COLLIERY and IRON Shares.

ESS in all COLLIERY and IRON Shares.

ESS on HAND in all the leading TIN, COPPER, and LEAD Shares are so what is a supplied to the state of the stat

hares sold for forward delivery (one or two months)-on deposit of 20 pe Accounts opened for the Fortnightly Settlement.

Monthly and Daily Price Lists issued.

Baukers: City Bank, London: South Cornwall Bank, St. Austell.

ECIAL DEALINGS in the following, or part: —30 Bamfylde, 23s. 9d.; 15 Bilson; 50 Cardiff and Swaness, £4 7s. 6d.; f Cedar Creek, £1 10s.; 100 Crenw, baraham, 5s.; 100 Clee Hill; 14s. Chapel House; 300 Javali; 50 Lawe's Ch., £5 13s. 9d.; 20 Langdale Chemical; 55 Penstruthal, 10s. 3d.; 180 Ply, 10s. 3d.; 180 Ply, 100 Rositive, 15s. 3d.; 80 Parys Mountain, 14s.; 50 Rookhop 10 Richards; 10 Thorp's Gawber.

re.—Special Business in Chapel House Colliery shares, yielding at pre-rice upwards of 17 per cent. Also Bilson and Crump, Thorp's Gawber I, Plynlimmon, Glaisdale Quarry, and Spon Lane Colliery.

R. W. H. BUMPUS, STOCK AND SHARE BROKER,

44, THREADNEEDLE STREET, LONDON, E.C.,

44, THREADNEEDLE STREET, LONDON, E.C.,

45, THREADNEEDLE STREET, LONDON, E.C.,

46, THREADNEEDLE STREET, LONDON, E.C.,

47, THREADNEEDLE STREET, LONDON, E.C.,

48, THREADNEEDLE STREET, LONDON, E.C.,

49, THREADNEEDLE STREET, LONDON, E.C.,

49, THREADNEEDLE STREET, LONDON, E.C.,

40, THREADNEEDLE STREET, LONDON, E.C.,

40, THREADNEEDLE STREET, LONDON, E.C.,

41, THREADNEEDLE STREET, LONDON, E.C.,

42, THREADNEEDLE STREET, LONDON, E.C.,

44, THREADNEEDLE STREET, LONDON, E.C.,

44, THREADNEEDLE STREET, LONDON, E.C.,

44, THREADNEEDLE STREET, LONDON, E.C.,

45, THREADNEEDLE STREET, LONDON, E.C.,

46, THREADNEEDLE STREET, LONDON, E.C.,

46,

W Prock mun pure Tree	101 Warded to court June True	toro moc and approximation.
Bankers: The	National Provincial Bank of	England, E.C.
Bankers: The W. H. B. has SPECIAL Bamplylde, 27s. 6d. Bog, 12s. Birdseye Ck., £2 6s 3d Chicago (Silver), £3%. Chapel House Colliery Cathedral. Chontales, 9s. 6d. Carn Brea, £46. Cedar Creek, 30s. 6d. Devon Consols, 36s. 3d Dolcoath, £46.	National Provincial Bank of BUSINESS in the undermet 30 Gawton, 128. 100 Gold Run, 20s. 25 Hingston, 21s. 6d. 40 Industrial Coal & Iron, £4½, 100 Javali, 17s. 6d. 30 Ladywell, £2½, 60 Last Chance, 23s. 6d. 25 Marke Valley, £1 s 6d. 50 Malabar, 14s. 70 Malpaso, 16s. 6d.	England, E.C.
Emma (Silver), £114. East Lovell. Eberhardt, £4 8s. 9d.	20 New Quebrada, £4 11 3 100 Old Treburgett, 7s. 6d. 50 Plynlimmon, 4s.	200 West Milwr, 5s. 50 W. Esgair Lle, 25s.
East Caradon, 22s. 6d. Flagstaff, £2 8s. 9d. Frontino, 6s. Gold, 15s.	20 Pennerley, 34s. 6d. 50 Penstruthal, 12s. 6d. 100 Prince of Wales, 9s 6d 50 Port Phillip, 15s. 6d.	10 Wheal Peevor, £5%. 5 West Chiverton. 25 Welsh Freehold, £21/2.

MR. E. J. BARTLETT, STOCK AND SHARE DEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C. (Established 10 years), as SPECIAL BUSINESS in South Condurrow and Prince Patrick Shares, at

Now ready, price 1s. 6d., post free 2d. extra. HOW TO INVEST; or, CAPITAL, ITS PROFITABLE EMPLOYMENT BY JUDICIOUS INVESTMENTS.

"Everybody should read it."

Published by E. J. BARTLETT, 30, Great St. Helen's, London, E.C.

JOHN RISLEY (SWORN), STOCK AND SHARE BROKER, 17, CORNHILL, LONDON.

Turkish Six Per Cents. of 1854, 1858, 1862, 1865, 1871, and 1873 specially recommended; Wheal Grenville and Treleigh Wood, also Wheal Peevor and Crebo arcs. Business transacted at the following rates of commission:—Foreign Stocks, ½ per tt; and Mining Shares of £4 each and upwards, 1½ per cent.; under £4, 1s. rshare.

PERDINAND R. KIRK, STOCK BROKER, 5, BIRCHIN LANE, E.C. Consols, Foreign Bonds, Railways, and every security quoted on 'Change bought oil sold.

Bankers: London and Westminster, and City Bank.

8HARES WANTED:—
30 Cardiff and Swansea.
50 Dlamond Fuel.
50 Don Pedro.
15 Chapel House.
6HARES FOR SALE:—
90 Altami Colliery.
25 Bagnall, John.
10 Cape Copper.

40 Lawe's Chemical. 50 New Sharlstone. 40 Langdale Chemical. 100 Clee Hill.

200 Rica. 300 Javali. 90 Gold Run. 60 Malabar.

50 Hockley Hall. 200 Uni. Bituminous. 60 Glaisdale Whinstone. 50 Whitehaven Iron (off. wanted). 40 Welsh Freehold. 30 Thorp's Gawber. 40 West Mostyn Coal. 10 Benhar Coal.

R. WILLIAM WAR (LATE WARD AND LITTLEWOOD), CROSBYHOUSE, 95, BISHOPSGATE STREET WITHIN, E.C., WARD

STOCK AND SHARE BROKER. JOHN MOSS AND CO., STOCK AND SHARE DEALERS, 294 AND 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C., transact Business for cash or account on all descriptions of Stocks and

Bankers: The London and County Bank, Lombard-street.

M. R. W. MARLBOROUGH, STOCK AND SHARE DEALER, 29, BISHOPSGATE STREET, LONDON, E.C. (Established 18 Years) and earlie the following SHARES, at prices annexed:—46 Almada, 16s. 9d. 28 Flagstaff, £2 11s. 3d. 25 Russia Copper, £2 19s 3d. 26 Bampfylde, 26s. 30 Gold Run, 19s. 30 Gold Run, 19s. 30 Gold Run, 19s. 30 Gold Run, 19s. 30 Hickeye Oreek, £3 2s. 30 Hingston, 19s. 30 Javail, 16s. 9d. 30 Florings, £3 45. 30 Gold Run, 19s. 30 Javail, 16s. 9d. 30 Florings, £3 50 Heart, £4 6s. 30 Florings, £3 50 Heart, £4 6s. 30 Florings, £3 50 Florings, £4 50 Florings, £4 50 Florings, £5 25 Russia Copper, £2 19s.
10 Richmond, £7 6s. 3d.
40 Prince of Wales, 10s.
10 Sweetland, £2 9s.
50 St. Patrick, £2 2s. 6d.
30 Tecoma, £1 3s. 9d.
50 The Gold, 12s.
50 West Maria, 5s.
20 W. Tankerville, 23s.
10 Wheal Uny, £2 / 6s.
40 W. Esgair Lie, 21s. 9d.
60 Yorke Peninsula, 9s.

WILLIAM BARTLETT, STOCK AND SHARE DEALER, FINSBURY SQUARE BUILDINGS, LONDON, E.C.
Business transacted in British, Colonial, and Foreign Securities, Railway, Bank, and Mining Shares at close net prices. The Sale or Furchase of Shares not quoted in the usual Stock and Share Lists may be negociated.
Full particulars of a few Securities well worthy of immediate attention will be forwarded no annilection, free of charge.

al on application, free of charge.

E. SIMPSON, STOCK AND SHARE DEALER,

a., GREAT WINCHESTER STREET BUILDINGS, LONDON, E.C., will

Li the FOLLOWING SHARES, free of commission:—

log, 11s.

Birdseye, £3 3s. 9d.

Ohapiel House, £3 16 3

Chontales, 9.3

Chicago, £3 6s. 3d.

Chock's Kitchen, £8½.

Don Pedro, 15a. 6d.

Dennelley, £1 16s. 3d.

Ocok's Michen, £8½.

SPECIAL BUSINESS in the Fire Re-Insurance Corporation (Limited).

SPECIAL BUSINESS in the Fire Re-Insurance Corporation (Limited).

23 Birdseye, £2 28.
25 Bilson & Grump, £10.
75 Bog, 11s.
35 Cathedral.
4 Carn Bren, £47½.
50 Cedar Creek, 30s.
45 Central Van, 16s. 6d.
60 Chontales, 9s. 3d.
30 Chicago, £3½.
40 Cies Hill Col., 5s. 3d.
40 Cies Hill Col., 5s. 3d.
60 Chapel House, £2 18 9
25 Cardiff & Swan, £4½.
75 Don Fedro, 13s. 6d.
60 Dapel House, £3 18 9
56 Emma, 22s. 9d.
60 Eberhardt, £434.
60 Footion, £35, 5d.
60 Fingstaff, £2 11s.
60 Frontino, 6s. 3d.
70 Gold.
70 Gold Run, 19s.

Mineral Properties Inspected.

MR. JAMES STOCKER, 2, CROWN COURT, THREADNEEDLE STREET.
Railway, Bank, Foreign Bonds, and all other Stocks and Shares for Investment or Speculation.

SPECIAL BUSINESS in the following:—
100 Almads, 16s. 3d. 65 Glaisdale, 20s. 50 Bampfylde, off. wtd. 55 Great W. Van, 11s. 40 56 Bilabon & Crump, £10. 11 Hudson's Bay. 15 Ifton Rhyn, 24s. 6d. 30 Sweetland, 51s. 40 Scathedral. 40 Lawes' Chem. 23s. 40 Lawes' Chem. 23s. 40 Lawes' Chem. 24s. 40 September & St. J. del Rey. 40 Chee Hill Col., 5s. 3d. 40 Chee Hill Col. 100 Rica, 4s. 9d.
40 Bilkstone Fall, off. wd
30 Sweetland, 51s.
90 South Aurors, 11s. 3d
55 So. Carn Brea, £23 9s.
85 S. Frince Patrick, £2s 6
30 So. Rom. Grav., 17s.
5 St. J. del Rey.
20 Thorp's Gawber, £11½
80 Tecoms, 23s.
15 Tankerville, £11½
10 Tincroft, £23½
40 Van Consols, 52s.
45 Welsh Freehold, £2½
10 West Chiverton, £5½
15 Wh. Esgair Lie, £2s
15 Wh. Esgair Lie, £2s
15 Wh. Esgair Lie, £3
20 Wheal Sitty, £5
30 Wheal Sitty, £5
30 Wheal Sitty, £5
30 Wheal Sitty, £3
30 Wheal Crebor.
10 Wost Polymer, £44½
30 Wheal Crebor. 5 Rom. Gravels, £121/4. 30 Wheal Crebor.
10 Rio Tinto, £91/4. 100 Yorke Peninsula.
10 Biohmond, £7 &s. 3d. 40 W. Tankerville, 23s 9d.
11 London and Westminster.

MINING AGENT, STOCK AND SHATE DEALER, 5, GREAT ST. HELLENS, LONDON. E.C.

MESSES. A. W. THOMAS AND CO..

10, COLEMAN STREET, E.C.,
MINING AGENTS, AND STOCK AND SHARE DEALERS.

ST. PATRICK MINING COMPANY.—Prospectuses and plans may be obtained upon pplication to Messrs. A. W. Thomas and Co.

MR. ALFRED E. COOKE, STOCK AND SHARE DEALER,
76, OLD BROAD STREET, LONDON.
(Established 1853.)

SPECIAL BUSINESS in the following shares, which should be bought at once:—Chapel House, Glaisdale Quarry, 81. Patrick, and Tankerville.
All the above shares are fully paid. Full particulars may be had on application.
Mr. COOKE can SELL the following shares:—
10 Alltand Coll., £5 39 20 Don Pedro, 14s.
20 Bampfylde, 25s.
25 Cakemore Colliery, £5 10 Iton Rhyn.
25 Cakemore Colliery, £5 10 Javali, 16s. 9d.
26 Cakemore Colliery, £5 10 Javali, 16s. 9d.
27 Crenver.
28 Crenver.
28 Crenver.
29 Crenver.
30 Pennertly, £12.
30 Pennertly, £2s. 8d.
30 St. Patrick, 22s. 8d.
30 St. Patrick, 22s. 8d.
30 Crenver.
30 Pennertly, £12.
30 Pennertly, £12. SAFE AND PROFITABLE INVESTMENTS. Dividends 5 to 10 and 12 per cent. per annum. Read SHARP'S STOCK AND SHARE INVESTMENT CIRCULAR,

It is the safest, most trustworthy, and valuable publication of the day.

APRIL EDITION, NOW READY, TWELVE PAGES, POST FREE. Safe Investments in English and Foreign Railways, Preference and Debenture Stocks, Telegraph, Water Work, Gas, Dook, Insurance, Bank, Tramway, Shipping, Tea, Land, Mine, and Miscelianeous Shares, &c.; Foreign Loans, Bonds, &c.; Indian, American, and Colonial Stocks. Dividends, Reports, Market Prices, &c. CAPITALISTS, SHAREHOLDERS, EXECUTORS, INVESTORS, TRUSTEES, Should read the above Investment Circular. It is a Safe Guide to Invest

Messrs. GOULD SHARP AND CO., 33, POULTRY, LONDON, E.C. Established 1852.—Bankers: London and Westminster, Lothbury, London, E.C.

Established 1867.

The following are the latest prices at which business could be done. Where the difference between the buying and effected at an intermediate price:

Buyers. Bellers.

Bampfylde £ 1½ £ 1½
Birdseye Creek. 2½ 2½ 2½
Bog. 98. 6d. 103. 6d.
Cedar Creek 11½ 1½ 8; Ives Consols. 1 1½
Chicago 3½ 3½ 8t. Fatrick. 1 1½
Chontales 8s. 6d. 9s. 6d.
Devon Great Consols 1½ 1½ 8s. Consols. 1 1½
Chontales 8s. 6d. 9s. 6d.
South Condurrow 4½ 4½
Dolcoath 44 46
East Lovell. 7½ 8
East Van 1½ 2
Eberhardt 4½ 2½
Eberhardt 4½ 2½
Eberhardt 4½ 2½
Eberhardt 4½ 2½
Elberhardt 4½ 2½
Elberhardt 2½ 2½
Elberhardt 2½
Elberhardt 2½ 2½
Elberhardt 2½
Elberhardt 2½ 2½
Elberhardt 2½
Elberhardt 2½
Elberhardt 2½ 2½
Elberhardt 2½
Elberhardt 2½ 2½
Elberhardt 2½
Elberhardt 2½
Elberhardt 2½ 2½
Elberhardt 2½
Elberhar

MESSRS. PYNE AND ASHMEAD,
CITY MINING AGENTS.
LONDON MANAGEMENT OF COMPANIES UNDERTAKEN.
ACCOUNTS AUDITED, LIQUIDATIONS CONDUCTED.
GOOD CENTRAL OFFICES.
6, BISHOPSGATE STREET WITHOUT, LONDON, E.C. ASHMEAD,

MR. HENRY CHAPMAN, STOCK AND SHARE DEALER, WOOL EXCHANGE, COLEMAN STREET, LONDON, E.C., (Established 29 years.)

Business transacted in every description of Securities including British, Forei, n, and Colonial; also Railways, Banks, Insurance, Miscellaneous, and Mining Companies.

panies.

Holders of Mining Shares can obtain, free of charge, particulars of the exact position of any company they may be interested in.

All enquiries answered by return of post.

Capitalists seeking Safe and Profitable Investments for £100 to £1000 should apply for particulars, either personally or by letter, to Mr. Chapman, who has several on hand that will bear the strictest investigation.

MESSRS. W. J. TALLENTIRE AND CO.,
STOCK AND SHARE BROKERS.
DO, CHANGE ALLEY, CORNHILL, LONDON, E.C., transact business in
Stock Exchange Securities and Mining Shares of every description.
A Belected List of Safe Investments forwarded to intending investors post free upon application. Fourteen years' experience.

MESSES. ENDEAN AND CO., STOCK AND SHATE DEALERS, 85, GRACECHURCH STREET, LONDON, E.C. Government and every negociable Stocks dealt in for cash or account. Orders and telegrams punctually attended to.

We advise immediate application and purchase of the Bampfylde and Llabers shares. A rise in price is inevitable.

M. R. THOMAS THOMPSON, JUN., 1, PALMERSTON BULLDINGS, BISHOPSGATE STREET, LONDON, E.C.
Bome valuable inits as to the purchase of mining shares will be found in Mr. Thompson's "Investment Circular" for April now ready, post free, price 6d.

MR. W. TREGELLAS, 122, BISHOPSGATE STREET WITHIN, E.O.,

Deals in all descriptions of Stocks and Shares at close market prices.

MESSRS. HARLAND AND CO., STOCK AND SHARE DEALERS, 235 and 236, GRESHAM HOUSE, LONDON, E.C. Bankers: London and County Bank.

Messrs. H. and Co. wish to direct attention to the DIVIDENDS declared by CHAPEL HOUSE and ALLTAMI COLLIERIES, and will be happy to supply shares in these companies at market rates.

SPECIAL BUSINESS in Patent Ligno Mineral Paving Company.

ESSRS. HARVEY, JORDAN, AND CO. MINING ENGINEERS AND AGENTS, ACCOUNTANTS, AUDITORS, MANAGERS OF PUBLIC COMPANIES, &c.

Offices, -30, Moorgate Street, London, E.C.
London Offices of the Llantrissant Tin Plate Works,
,, Planet Silver Mining Co. (Limited).

BUYERS OF THE FOLLOWING

100 WEST CHIVERTON.
500 EAST VAN.
50 VAN.
50 VAN.
50 VAN.
50 TANKERVILLE.
100 WHEAL GREBOR.
100 WHEAL GREVILLE.
180 BOG.

Sellers will please state number and lowest price for cash on Measure, GOULD SHADD AND CO. I OLLUWING SHARES

125 LADYWELL.

10 DOLCOATH.

50 ROMAN GRAVELS.

5 CARN BREA.

200 PENNERLEY.

150 WEST TANKERVILLE.

500 PARYS MOUNTAIN.

West price for cash on receipt of trans

0. 33. POULTBY LONDON. lers will please state number and lowest price for cash on receipt of trans.

Messrs. GOULD SHARP AND CO., 33, POULTRY, LONDON, E.C. Established 1852.—Bankers: London and Westminster, Lothbury, London, E.C. TO INVESTORS.

MESSRS. PENNINGTON AND CO.'S "MONTHLY RECORD OF INVESTMENTS," published on the first Thursday in each month, contains an exhaustive Review of the British and Foreign Stock and Share and Money Markets, &c., with an enumeration of safe investments, paying from 10 to 20 per cent. Price 6d. per copy, or 5s. annually. PENNINGTON and Co., Sworn Brokers, 3, Royal Exchange-buildings, E.C.

MESSRS. A. ENDEAN, FISHER, AND CO., STOCK AND SHARE DEALERS, 3, LOMBARD COURT, LOMBARD STREET, E.C. Bankers: London and Westminster, Lothbury.

MESSRS. J. TAYLOR AND CO., 86, LONDON WALL, E.C., and MINING EXCHANGE, SOUTH KING STREET, MANOHESTER, MINING ENGINEERS AND UNSPECTORS.

Business done in all descriptions of Stocks and Shares.

NOTICE OF REMOVAL

MR. E. CHARTERS, 36, NORTHUMBERLAND STREET, has REMOVED to 8, YORK BUILDINGS, CHARING CROSS, in consequence of the house being required by the Board of Works.

MR. E. CHARTERS, S. YORK BUILDINGS, CHARING CROSS, LONDON, can do BUSINESS in the FOLLOWING SHARES, free of

60 Almada, 15s. 6d.
25 Bampfylde, £1½.
25 Bampfylde, £1½.
25 Brontloyd, £1½.
26 Brindsey Creek, £2.
27 Cardiff & Swan, £4.
28 Devon Consols, £1½.
29 Cardiff & Swan, £4.
20 Cardiff & Swan, £4.
20 Frontino, 7s. 6d.
20 Gawton, 10s. 6d.
20 Glasgow Carad., £1½.
20 Glasgow Carad., £1½.
20 Pennerley, £1½.
20 Wheal Crebor, 15s. 6d.

SHARES: -

M R. TIMOTHYHUGHES,

The Registered Office of the PRINCE PATRICK, GROSVENOR, WEST BRYN CELYN, CENTRAL FOX DALE, and GREAT EAST FOX DALE LEAD MINING COMPANIE: (LIMITED). Full information respecting these Mines forwarded on application.

RELIABLE INFORMATION given respecting Mines in the Isle of Man, Flint-shire, and the neighbouring districts.

APTAIN ABSALOM FRANCIS, MINING AGENT, ENGINEER, AND SURVEYOR. GOGINAN, ABERYSTWITH,

R. PERCYROBE FINANCIAL AGENT, 60. ENGLISH STREET. CARLISLE. ROBERTS,

BOSVENOR, ENTWISLE, AND CO.,

STOCK AND SHARE BROKERS

85, PORTLAND STREET, MANCHESTER.

WANTED,—A PRACTICAL MINE AGENT, of large Foreign and Colonial Experience, DESIRES a RE-ENGAGEMENT as MANAGER. Is thoroughly acquainted with metalliferous minerals and assaying. Phosphate of lime deposits and analysis a speciality. Inspection of mining properties undertaken, and estimates carefully made. A situation foreign preferred. Speaks Spanish. Security if required. Testimonials and reference by addressing, in first instance, "Apatite," MINING JOURNAL Office, 26, Fleet street, London, E.C.

WANTED.—The Advertiser desires RE-ENGAGEMENT either at HOME, ABROAD, or in the COLONIES. Is thoroughly acquainted with the Assaying of Ores, both by the dry and wet methods, and has also some experience of the Smelting and Dressing of Ores. Twelve years with last employers, who are prepared to bear highest testimony as to character and ability.

Apply to Mr. Thomas Bowen, Brynhyfryd, Swansea. BAMPFYLDE COPPER MINING COMPANY.

WANTED, FIVE HUNDRED BAMPFYLDE SHARES, in

MR. ERNEST DEACON, PONTYPOOL, SOUTH WALES, OVUL AND MINING ENGINEER, AND SURVEYOR, (Certificated) Mem.S.W.Inst.Engra.

REPORTS and INSPECTIONS of MINING PROPERTIES, or AGENCY for same. Machinery erected. Collieries managed, &c., &c. Surveys, surface or underground. Levellings, &c., correctly executed, with dispatch. References.

TO PROPRIETORS AND MANAGERS OF COAL MINES, &c. MR. THOS. ROBERTS, HORSE-DEALER, PENMACHNO, NORTH WALES, has always on hand PONIES suitable for COAL

950 BLAKE'S PATENT ORE-CRUSHERS

For catalogues, apply to-MR. H. R. MARSDEN, SOHO FOUNDRY, LEEDS. Only maker in the United Kingdom.

M R JOHN CARTER, MINE SHARE DEALER, shares at close market prices of the day.

Chilian Government Five Per Cent. Loan, 1875.

AUTHORISED BY LAW OF THE REPUBLIC DATED 12TH NOVEMBER, 1874.

£1,900,000, IN BONDS OF £1000, £500, AND £100 EACH,

REDEEMABLE AT PAR BY AN ACCUMULATIVE SINKING FUND OF TWO PER CENT. PER ANNUM BY SEMI-ANNUAL DRAWINGS,

PRESENT ISSUE, £1,000,000. PRICE OF ISSUE, 881 PER CENT.

THE ORIENTAL BANK CORPORATION, as Agents for the National Bank of Chili, duly empowered, and acting on behalf of the Chilian Government, hereby INVITE SUBSCRIFTIONS for £1,000,000 sterling of the above loan.

The loan will be represented by bonds to bearer for £1000, £500, and £100, bearing interest, until repayable under the operation of the sinking fund, at the rate of £5 per cent, per annum from the lat day of March, 1875, with coupons attached, payable in London, at the office of the Oriental Bank Corporation, on the lat day of March and the lat day of September in each year.

An accumulative sinking fund of £3 per cent. on the entire nominal amount of the loan will be supplied by the mass of semi-annual drawings in the months of January and July in each year, the first drawing to take place in January, 1876.

The Jones drawn will be payable on the lat day of March and late and the late of March and the late of March

To the Oriental Bank Corporation.

#88 5s. per cent.

Allottees will have the option of paying up in full on allotment, or on any of the above dates, under discount at the rate of £5 per cent. per annum.

In default of payment of the respective instalments at their due dates, all previous payments will be liable to forfeiture.

Applications must be made on the accompanying form, but no application will be entertained unless accompanied by a deposit of £5 per cent, on the nominal amount of the bonds applied for.

Where no allotments are made the amount deposited will be returned. In cases of allotment any excess of deposit will be applied in whole or part, as the case may be, to the payment of the 10 per cent, due on allotments.

Berly certificates to bearer will be exchanged against allotment letters and bankers' receipt as soon as possible.

THE NASCENT COPPER PROCESS.

The PROPRIETORS of this PATENT METHOD of TREATING LOW-CLASS SILVER and COPPER ORES are PREPARED to GRANT LICENSES for its USE at LOW ROYALTIES.

There is hardly a Mixed Metal mine in the world but may be made to pay dividends under this system.

All communications respecting the above should be addressed to-

MESSRS, EMMENS BROTHERS AND CO., 8, OLD JEWRY, LONDON, E.C.

Royal 8vo, 764 pp., cloth; with over 200 illustrations, drawn to scale, and reduced in many instances from working drawings. Price 34s.

ELEMENTS OF METALLURGY;

A PRACTICAL TREATISE ON THE ART OF EXTRACTING METALS FROM THEIR ORES.

By J. ARTHUR PHILLIPS, M. Inst. C.E., F.G.S., F.C.S., &c., Ancien Eléve de l'Ecole des Mines, Paris.

"A work which is equally valuable to the Student as a Text-book, and to the practical Smelter as a Standard Work of Reference. * * * * The illustrations and advantage of the standard work of Reference. * * * * The illustrations and the principal metals. The methods are described with surprising clearness dexactness. * * * * In our opinion the best work ever written on the subject with a view to its practical treatment."—Westminster Review.

London: CHARLES GRIFFIN AND COMPANY, 10 Stationers' Hall-court.

Registration of New Companies.

The following joint-stock companies have been duly registered:-

The following joint-stock companies have been duly registered:—
WESTON HON COMPANY (Limited).—Capital 75,000L, in 5L, shares.
To carry on business as iron miners, smelters, and manufacturers.
The subscribers are—J. Friving, Eskelabe-Birkidale, Southport, merchant, 50; Charles Wigg, 6, Water-street, Liverpool, alkali manufacturer, 50; A. F. Fietcher, 24, Ferwicke, street, Liverpool, alkali manufacturer, 50; A. F. Fietcher, 24, Ferwicke, street, Liverpool, alkali manufacturer, 50; J. Kennedy, Crossington Park, Liverpool, civil engineer, 90; Thomas Vickers, Liverpool, evil engineer, 90; Thomas Vickers, 100, 100; E. Ruston Face, 100, 100; E. Ruston Face, 100, 100; E. Ruston Face, 100; E. Ruston Face, 100, 100; E. Ruston Face, 100; E. Ruston Face, 100, 100; E. Ruston Face, 100; E. Ruston Face, 100, 100; E. Ruston Face, 100; E. Ruston Face, 100; E. Ruston Face, 100; E. Ruston Face, 100; E. Ruston Face

Ardwell; and M. Wood, Eccles.
SAFETY OIL COMPANY (Limited).—Capital 50,000l., in 5l. shares.
To acquire the business of Mesers. Tudor and Son, which firm have, To acquire the business of Mesers. Tudor and Son, which firm have, with the assistance of Mr. F. M. Strange, been engaged in the manufacture and sale of Strange's Oil, &c. The subscribers are—H. W. Carter, 21, Billiter-street, 300; H. Cooper, 4, Cannon-street, 300; E. S. Tudor, College Hill, E.C.; W. Tudor, College Hill, 300; A. S. Tudor, 27, Leadenhall-street, 50; G. R. Carter, London-street, 5; and T. M. Strange, 17, College Hill, 1.

JOSEPH TWENTYMAN AND CO.—Capital 9700l., in 10l. shares.

nington-road; F. W. Green, Shaftesbury Villa, Wandsworth; G. E.

Shepherd, Kennington Park.
SAMELSBURY PAPER MILL COMPANY (Limited)—Capital 25,000L in 5t. shares. To acquire a paper mill at Samuelsbury, Lancashire. The subscribers are—E. Knowles, Over Darwen, 100; J. Watson, Blackburn, 100; E. Hamer, Blackburn, 100; J. Ingram, Blackburn, 10; E. Ruston, Blackburn, 50: T. Abbott, Blackburn, 200; T. J. Hagggrage, Blackburn, 100; E. Ruston, Blackburn, 200; T. J.

LEAD MINING IN DURHAM—THE EDMONDBYERS DISTRICT.—The cutting of the rich vein of lead ore at Swandale by the Hexham and Edmondbyers Mining Company, Limited, has been the cause of much excitement in the immediate neighbourhood, and also in the towns of Hexham and Newcastle, where, we believe, the shareholders chiefly reside, and from which towns numbers of people have visited the scene of operations. We understand that the company's shares have changed hands at almost fabulous prices, and those now obtained would show that the value of the mine is 80,000. It is, we believe, the intention of the directors to push on the operations at the mine with vigour, dressing floors and machinery for preparing the ore for market will be proceeded with at once. It is the opinion of practical men that the mine will bear still better at a lower depth than that aiready attained. It is intented to not cown a powerful steam-engine for pumping and winding purposes. This will achieve the mine being sunk to a lower level, when no doubt the anticipations of the company will be fully realised. We are informed that the ground on the south side, immediately adjoining the above-named company's operations, has been taken by a party of local gentlemen, and that they have aiready commenced operations on the course of the same vein. It is generally thought that this vein is the same as that being wrought by the London Lead Company, at Bollihope, where it is 16 feet wide, and rich in ore, the output during last year amounting to something like 2800 tons. Thus, with Swandale, on the nerth, and Bollihope on the south, the new company's undertaking at Harehope Gill can hardly fail to be successful—South Darham and Cleveland Mercury.

Steam And Fuel.—Mesers Loness and Whiten hove acknowledge.

To acquire the business carried on at Glentarras Distillery, Langholme, Dumfries.

LONDON AND KANSAS LAND AND COLONISATION ASSOCIATION (Limited).—Capital 50,000%, in 10%, shares. To acquire land along the line of the Kansas Pacific Railway, and elsewhere in Kansas. The subscribers (who take one share each) are—R. J. St. Aubyn, 7. Ravensworth-terrace, Fulham; G. F. Gattie, 8, Walham Green, Fulham; T. Hodgson, 13, Spencer-road, Wandsworth; W. C. J. Blount, Grosvenor-road, South Norwood; A. Macdonald, 1124, Kental Railway, and partial forces it into the boiler, to be successial—South Darram and Cleveland Mercury.

Stram And Fuel.—Messrs. Jones and White have patented an improved method for economising fuel and water in the production of steam, and the overly of which consists in an auxiliary for the production of steam, and the order and water in the working of engines. Their method consists in the order of warping of which consists in an auxiliary for the production of steam, and the order of warping of which consists in an auxiliary for the production of steam, and the order of warping of which consists in an auxiliary for the production of steam, and the order of warping of which consists in the production of steam, and the order of warping of w

Lectures at the Boyal School of Mines

LECTURES ON MINERALOGY.-No. VI.

LECTURES ON MINERALOGY.—No. VI.

The sixth and concluding lecture of this course, delivered by Pal W. W. SMYTH, was on Felspars, and their Resulting Clan when the lecturer, I endeavoured to lay before you had short time we had at our disposal, some facts connected with the important substance which in chemical language is called sibe, and important substance which in chemical language is called sibe, and important substance which in chemical looking substances are included in mineralogy is termed quartz, from an old German word; and the this term we found many different looking substances are included of the crust of the earth to the proportion of 50 or 60 per cent, of the crust of the earth to the proportion of 50 or 60 per cent, of silica in combination with other substances, and to these different compounds the general name of silicates is given. These silicates are very numerous, and differ from each other in many other careciristics besides that of chemical composition. My object to night is to deal with two or three of these silicates, or combination of silica with different basic materials, which are noticeable for the important part they play in the social relations of mankind. From one is more or less familiar with the various forms of quartz known as Bristol diamonds, Irish diamonds, Cornish diamonds, or with the Brazilian pebbles used by the optician; but we are apt to lose after the quartz and silica in many of its forms. Thus, we do not serve that it is quartz which gives solidity to our houses, shell the rain off our roofs, meets us in the mud which encumbers our fest winter, or flies in our eyes in summer, and which, moreover, constitutes the cups and saucers, plates and dishes, of our daily life; yet such is the case.

The mineral to which I have especially to refer we will speak of under the familiar name of "felsnar" the terms followed.

.. 16.9 11.8 13.3 4.6 ... 100 100 100

Among the varieties of this orthoclase is one named "adularia, from a mountain near the St. Gothard, where it occurs: the name is given to those varieties of orthoclase which are either free from colour or of very light tints, and as a rule there is a great deal of translucency connected with this. In some cases, as in this specimen from Ceylon, there is a beautiful play of light on the surfaces, and then the name "moonstone" is given to it. Another variety, which has been sometimes employed for ornament, is that with a bright-green tint—"amazon stone"—which is found in some parts of Siberia, usually in small pieces, but occasionally in large crystals. The name moonstone reminds one, again, of the variety termed "sunstone," of a yellowish brown tint, but exhibits a multiplicity of shining points, apparently due to the intervention of some foreign substance: the effect can only be seen satisfactorily when the light is reflected at a certain angle. Orthoclase felspar is one of the constituents of granite, colourless, or of a brownish tint. The old geologists used to imagine granite to be the bottom rock of all, the oldest, and in many cases it is difficult to show that there is anything older. The fact seems to be this, that granites have been formed at times beginning from the earliest down to others quite recent. This kind of felspar occurs also in another somewhat similar rock, which is called "gneiss," and which is composed of the same three minerals (quartz, felspar, and mica) as granite, but presents a more or less laminated appearance, somewhat like stratification. It appears not unlikely that in some cases originally stratified rocks, on account of chemical change, and their position in the earlisc crust, have assumed this crystalline form. If the granite rock has large and conspicuous crystals scattered through it, it is called "porphyry." There are grey, pink, and black porphyries; the latter contains a dark mineral (hornblende), and the quartz has likewise a dark tint. Another point worth attention is 100 Among the varieties of this orthoclase is one named "adularia, buff colour of the felspar and the dark, almost black, tint of the quartz; and this, coupled with the fact that the quartz in taking up its position has been compelled to follow certain faces of the felspar, has given rise to the name "graphic granite," from its fancied resemblance to Hebrew or other characters. Another variety of felspar is termed "glassy felspar," or "sanidine," which occurs embedded in rocks of an otherwise almost uniform character, such as those the geologist calls "trachyte." I mention this particularly because it occurs in large quantities on the banks of the Rhine (the specimen I have was brought from that district), not far from that portion where the hill scenery of the Rhine commences. A very large portion of Cologne Cathedral is built of this rock. It is interesting to note that this mineral likewise occurs in volcanic rocks, and in Prussia distinct crystals of felspar have been formed in the bottom of a furnace, so that in spite of the objections which have bottom of a furnace, so that in spite of the objections which been made it is undoubtedly the fact that, in some instances at least, felspar crystals have been produced by solidification from a state of igneous fusion. No place is more remarkable for crystals of felspar than some lofty granitic mountains in the West of the Isle of Elba. In the North of Italy a kind of pink granite occurs, one of the most beautiful in the world, remarkable for the facility with which it splits in certain directions: in some of these parts large slebs of it may be supported by the source of the source of the second source

which it splits in certain directions: in some of these parts large slabs of it may be seen set up as telegraph posts.

The second variety of felspar I have to mention is that called "albite," from its general whiteness: the chemist has made out several varieties of it, but there are two or three general characters I wish to point out. In the first place, it is not found crystallised so plentifully as orthoclase, and when it does occur crystallised it is in the doubly oblique system, and therefore has no right angle. The most noticeable facts with regard to its composition are that it contains a rather larger proportion of silica than the last, and that soda replaces potash. Usually its crystalline forms are very complicated, from its tendency to assume the form of twin crystals. soda replaces potash. Usually its crystalline forms are very complicated, from its tendency to assume the form of twin crystals. You may often see the effect of this in the crystals cut across in granite, one half of the crystal appearing bright the other dull. The third variety, "oligoclase," occurs in Sweden, Norway, Finland, and other northern countries, and also in those blocks scattered over the greater part of Germany in the glacial epoch. "Labradorite," of lime felspar, receives its name from some being found near Labrador; on being sliced across and polished it exhibits a most wonder.

ful play of iric the crystals. If structure of the (Scandinavia, & The last varie

APRIL 3

on reference to of silica has ve creased, and lin This latter fact is presented to is presented to into the compo a very recent e that there is a thus, whilst the is found that is found that times as great the silica.
Orthoclase fe principal, consametimes und material. In the sum of the

material. In you may meet and which is re which the fels will more or lespar will not a dull appearance ptteries, and from Cornwall to be a good a tion has gone a less in the for present. The tegrated by a minute laming the name of " sition has ge to where you wind that you people in these the felspar fro stream of wat troughs, where then it is led of the stream of the stre after the mica deposits the fe from quartz.
and was first in a hairdresse wards employ imited quan china-clays of ally worked.

> NOTES OF Prof. Von

reatise on or ion devoted

ose giving t

ular descrip

Nearly the

y which th ivans; unde all we can sa the fact that ound in ther Devonian. (of granite, and the granite and istance from on of the ge composed with subord pore compa hist, gneise leavage dip re generally he dip, hove mass beneat the former in my consider the laminæ bove stated earer they ossils are found are in tion from the grained, ofte felspar. To one another beyond. The state beds a state beds a state beds a state beds a state beds. bably unite granite is o hem, from amificatio agments oint of co hat exten Sometimes self; these little mica pyrites, 1 ow string

> crystals at rock some of them i slates, and elvans hav rites, and Their stri 10° to 60° cording hese elv stance, at greater nevidently much so, dykes, fr

elvans are

traverse be posed of a maline, &

gion or s the slate formatio

fe; yet

peak of te many an, and ant part and the

phyritic used in to cor-

a very angles felspar.

Water

the alu-potash, is pre-part of the ge-se other

ularia,

with a

d geos anyquite imilar

ваше esents cation.

ck has

king of the

very

state f felle of ne of arge

alled out

cters lised ed it

the or

troughs, where it is allowed to stand for a greater or less time, and then it is led on step by step through other troughs and pools, where, after the mica and quartz are deposited, the milky fluid gradually deposite the felspar in the form of fine white kaolin, entirely free from quartz. A similar kind of kaolin powder is found in Saxony, and was first brought into notice in a curious way—by being used in a hairdresser's shop in that district for the hair. It was afterwards employed for the manufacture of the celebrated Dresden china. In Cornwall I hope we possess the kaolin in almost unlimited quantity. During the time that I have been associated with that county I have seen great progress in the work. Of the china-clays of first and second quality 150,000 tons are now annually worked.

NOTES ON THE ORE DEPOSITS OF CORNWALL-No. I. By Hugo Cookesley, Author of "Practical Assayer.

NOTES ON THE ORE DEPOSITS OF CORNWALL—No. I.

By Hugo Cookesley, Author of "Practical Assayer."

[Prof. Von Cotta, of Freiberg, is the author of the best modern treatise on ore deposits, and in his work he has an interesting section devoted to Cornwall. The substance of these remarks I propose giving to the readers of the Mining Journal previous to particular descriptions of Cornish mining property.]

Nearly the whole of Cornwall consists of what miners call "killas," by which they mean all slate rocks not belonging to granite or elevans; under this term, then, we must include horneblende-schist and various kinds of greenstones. As regards the age of these rocks, all we can say is that they belong to the Palæozoic period, and from the fact that only rare and imperfectly preserved fossils have been found in them we may consider that most of them belong to the beronian. Out of this slate district there protrude five large masses of granite, and several smaller ones, and the slate itself, as well as the granite, its traversed by numerous porphyry dykes, called elouns, by some trap-dykes, by copper and tin lodes, by a few veins of fernginous quartz, and clay fissures. Nearly all these veins occur in or near the granite. This may be taken as a general description of the geological formation of Cornwall. The so-called "killas" is composed principally of greenish clay-slate and its varieties, with subordinate sandy layers: the nearer it is to the granite the gree compact it becomes, and at the point of contact it passes gradually into crystalline schistose rocks, as cholorite-schist, micachist, gneiss, tourmaline, hornblende, &c. The planes of the slaty savage dip generally from the granite, and so the layers of slate us generally seen mantling in an irregular form round its flanks. The dip, however, is not generally so rapid as that of the granite is as beneath at the point of junction; this latter is about 45°, while the former rarely exceeds 30°. The dip is not generally uniform for any considerable distance, which little mica, but not unfrequently, as accessories, apatite and copper prites. In fact, the whole masses of granite are traversed by narow strings intersecting each other, containing mica, appate, castierite, quartz, and even trifling quantities of red copper. The syans are porphyry dykes, vary greatly in their composition, and aterite, quartz, and even trilling quantities of red copper. The elvans are porphyry dykes, vary greatly in their composition, and tarerse both the granite and the slate. They are principally composed of a compact felsite, in which crystals of felspar, mica, toursaline, &c., are distributed. Near the selvages, however, these crystals are usually wanting, and moreover fragments of the wall neck sometimes occur in the elvans. Henwood says that the mass of them is composed of felspar and quartz when traversing the slates, and of felspar and mica when traversing the granite. These elvans have been largely worked for the minerals which they contain in irregular masses or veins, consisting of iron and copper pydrams have been largely worked for the minerals which they contain in irregular masses or veins, consisting of iron and copper pyrites, and tinstone. Their breadth varies from a few feet to 70 fms. Their strike is nearly always north-east south-west; their dip from 40° to 60°, and more of them incline to the north than to the south. According to the Ordnance Geological Map of Cornwall, some of these elvans are only ramifications of the granitic mass; for instance, at Blistand they appear to have cooled off more rapidly than the main portion, and to have hardened porphyritically, but the Breater number shoot out of the slate into the granite. They are eridently younger than the main mass of granite, though not very much so, and it is probable that they were formed, like the granite dykes, from a still fluid under region at at time when the upper region or surface had solidified; but those elvans that extend from the slate into the granite are most probably contemporaneous firmations. They are all older than the carboniferous period, but more recent than some tin lodes, since these latter are intersected by

pere recent than some tin lodes, since these latter are intersected by imas, and in part faulted by them.

When state comes alongside of a lode it is often perceptibly

THE MINING JOURNAL.

75 PHR MINING JOURNAL.

75 THE MINING JOURNAL.

76 THE MINING JOURNAL.

77 THE MINING JOURNAL.

78 THE MINING JOURNAL AND THE WORLD AND T lowing order:—1, killas; 2, granite; 3, elvans; 4, tin lodes; 5, most of the copper lodes; 6, cross-courses; 7, younger copper lodes; 8, flookans; 9, slides; 10, stream works. We will now, after this general review of the ore deposits and rocks of Cornwall proceed to describe those kinds most important to the miner.

THE COAL FIELDS OF NEW SOUTH WALES.

We have been favoured by the Government Examiner of Coal Fields, Mr. John Mackenzis, F.G.S., with a copy of his official report for 1873, just issued, "On the Condition and Prospects of the Coal Fields, together with the Reports of the Inspector of Collieries on the State of the Various Coal, Petroleum-Oil-Cannel Coal, the Coal Fields, together with the Reports of the Inspector of Collieries on the State of the Various Coal, Petroleum-Oil-Cannel Coal, and Kerosene Shale Mines in New South Wales and Accidents therein." He remarks that the year was one of unexampled prosperity, and one that will be long remembered by the colliery proprietors and their workmen on account of the rise in the price of coal, rise in wages, and the agreement entered into by the Associated Masters and the officers and delegates of the Coal Miners' Association of the Hunter River district, by which the wages to be paid for heaving (hewing?) coal, and other work usually done by the miners, the hours of labour to be observed at the different collieries, and the mode of settling any dispute that may arise in reference thereto are to be arranged. In the Newcastle district the quantity of bituminous coal used for steam, household, smelting, gas, blackmith's, and coking purposes raised was 1,014,224 tons, of the value of 581,101l. in 1873, against 858,716 tons, of the value of 340,973l. The Australian Agricultural Company, Co-operative, Wallsend, Waratah, Lambton, and New Lambton are all working the same seam of coal, which varies from 9 to 12 ft. in thickness. It is a bright bituminous coal, and the specific gravity of it varies from 12 to 1326. In the Anvil Creek, Greta, Four-mile Creek, Mount Wingen, and Rix's Creek districts the total quantity of splint and bituminous coals suitable for steam, household, gas, smelting, blacksmith's, and coking purposes raised was 31,280 tons, of the value of 17,331l. in 1873, against 23,258 tons, of the value of 4023l. in the preceding year.

The Anvil Creek and Greta Collieries are now being worked on a

value of 17,381*l*. in 1873, against 23,258 tons, of the value of 4023*l*. in the preceding year.

The Anvil Creek and Greta Collieries are now being worked on a large scale. Mr. Mackenzie reports that they produce a very bright splint and bituminous coal, the specific gravity of which varies from 12 to 1·33, and it has for many years been in great repute as a very excellent house-fire and steam coal. These seams of coal belong to the lower New South Wales carboniferous formation, and have marine-fossil fauna above and below them, and dip at an inclination of about 1 in 6 to the west. A deep shaft, he continues, is now being sunk by the Greta Company, which will add another to the many proofs we have of the errors Prof. MrCoy and Mr. Brough Smyth, F.G.S., of Victoria, have made, and which they still keep persistently proclaiming to the world, as to the age of our New South Wales coal fields. In a commercial point of view it is of very little consequence whether our coal belongs to the Mesozoic, Triassic, Permian, or Carboniferous formation, but to geologists and others it is of the greatest use that the truth should be told; and it is very much to be regretted that such erroneous views should be promulgated mian, or Carboniferous formation, but to geologists and others it is of the greatest use that the truth should be told; and it is very much to be regretted that such erroneous views should be promulgated by those who have never seen the New South Wales coal fields, and who, from the position they hold, and the works, &c., they compile, are in other parts of the world looked upon as reliable authorities in such matters. It has now become generally known that we have coal and petroleum oil cannel coal equal to any in the world, yet we find that when Prof. M'Coy was examined before a Select Committee. in Victoria, in 1857, that he said as follows:—"Supposing I were asked my opinion as to scientific prospects of the coal fields here, I would then say that the two great deposits of coal known to geologists are of two very different geological ages, and nearly all the opinions which influence commercial coal fields, and nearly all the opinions which influence commercial men as to the commercial value of coal fields, are founded upon the coal fields of the older formation of England, the continent of Europe, and parts of America. Such coal fields do not exist in this country, that is a point I wish clearly to show, and it is one that I think has never been clearly shown to this committee before.

Such old, valuable, and extensive coal fields of steady yield do not exist in this colony. The coal fields of Australia and India belong to a much newer geological period, and have not this very reliable and valuable character on which the commercial and geological

exist in this colony. The coal neids of Australia and and a belong to a much newer geological period, and have not this very reliable and valuable character on which the commercial and geological opinions touching coal fields generally have been based. Now, as scientific men, we would say that if you expect a very great coal field at Cape Patterson it will not be one comparable with these old and valued coal fields, which are very inferior in the quality of the coal to the old English and European, and some of the American coal fields, which belong to what geologists call the Palæozoic period. That is the reason why the expectations of scientific men as to the coal to be found at Cape Patterson are not so high as might be supposed. But the scientific point is this—that as a geologist I would point out that, instead of expecting such a great, extensive, and valuable coal field as the coal fields of England, you have no scientific reason for expecting anything superior to the Sydney

and Mr. Brough Smyth's statements as to the commercial value and age of our New South Wales coal fields, because it has now become an acknowledged fact that we have petroleum oil cannel coal as rich or richer than any yet found in any other part of the globe, and very thick and extensive seams of bituminous, splint, and cannel coal equal in value to any yet found elsewhere. Prof. M'Coy's reputation as a paleontologist is unquestionable, and if he were a "field geologist" he would never have committed himself to the opinions he has expressed respecting the New South Wales coal measures without a personal examination, when they are in direct opposition to those of geologists and other competent persons who have carefully examined and described them.

At Catherine Hill Bay, near Lake Macquarie, splint and bituminous coal is produced, New Wallsend Colliery, yielding 400 tons, worth 380l. This is a new mine, opened out by Mr. Thos. Hale, in the cliffs facing the Pacific Ocean. It is situated about 50 miles north of Sydney Harbour, and a jetty has been constructed from the entrance to the seam of coal out into the sea, of a somewhat similar nature to that on the sea-coast at Bulli, in the Illawarra district. It is now formed into a company, and the coal is sent away in steam colliers to different parts of the world. The seam of coal now being worked at this colliery is 14 ft. in thickness, has an excellent rock to coal and thor, and dips at an angle of about 3°, or 1 in 20, to the west. The upper part of the seam is a splint coal of gravity about 1'380, and the lower part a splint and bituminous coal. The specific gravity of specimens tested from the outcrop is 1'33. This seam of coal outcrops in the cliffs at such a height over the level of the sea as to enable the owners of the mine to run out a jetty into the sea from the mouth or entrance to the seam of coal, and steam colliers come and take away the coal from the way and ship the coal at the entrance to Reid's Mistake. On the south of the New Wallsend Colliery,

good seams of coal on them, which they inform him they intend to work very shortly.

In the Illawarra district, where a semi-bituminous coal is raised, the quantity got was 137,063 tons, of the value of 62,889l., in 1873, against 123,681 tons, of the value of 48,780l. There were also 2750 tons of American Creek petroleum oil shale, of the value of 4125l., made into oil at the works. No new mines have been opened out and worked in this district during 1873, but very large areas of coalbearing land between Port Hacking and the Shoalhaven river have been taken up and secured for the purpose of forming companies to work the seams of coal existing thereunder, and there is no doubt that in a few years many other mines will be worked in these districts, especially if the South Coast Railway now being surveyed is constructed. constructed.

constructed.

In the Western district, at Hurtley, Lithgow Valley, Piper's Flat, and Wallerawang, the quantity of splint coal raised was 9865 tons, of the value of 32544., against 5221 tons, of the value of 15654. The New South Wales Shale and Oil Company used or sold for gas purposes 15,000 tons of petroleum oil cannel coal, of the value of 46,2504. Valuable coal is being opened near Bowenfels Railway station, and excellent seams of splint and bituminous coal have been proved by various parties, which are suitable for smelting, steam, and household purposes; and when the Western Railway, now in course of construction, reaches nearer the rich deposits of copper ore lying to the west of Bathurst, it may then be expected that several smelting construction, reaches nearer the rich deposits of copper ore lying to the west of Bathurst, it may then be expected that several smelting works will be erected here also. Some very interesting longitudinal geological sections across the dip of some of the lower carboniferous beds are now being laid bare and carried out by the Australian Agricultural Company, at Stroud, under his direction, which will, he trusts, next year add another proof to the correctness of the views expressed by the Rev. W. B. Clarke, himself, and others, but to the regime force and deep found show and helpy their is to the marine fossil fauna and flora found above and below their

lower coal measures.

The Victorian officials appear to have misunderstood Mr. Mackenzie's reports upon the coal deposits of Australia, and he complains that he has been misrepresented in the statement that he corroborated the Victorian coal board. An abstract of Mr. Mackenzie's reports on the Victorian coal will be published in a future Journal.

THE COAL FIELDS OF VICTORIA.

With a view to correct certain misunderstandings which appear to have arisen in Victoria with regard to the opinion entertained by Mr. John Mackenzie, F.G.S., the Government Examiner of Coal Fields in New South Wales, who was appointed by the Hon. the Minister for Mines in Victoria to inspect and report upon the coal fields of that colony, an abstract of Mr. Mackenzie's reports is subjoined. Mr. Mackenzie expresses his surprise at a statement made by Mr. Brough Smyth, F.G.S., the Victorian Secretary for Mines, in a progress report dated Oct. 1, 1873, in which it is stated that he corroborated the reports of the Coal Board. It is only necessary, he continues, to place the different reports of Mesers Hodg kinson, Smyth, and Couchman alongside his own to refute this statement, and show that he did not agree with them in their estimated thickness, extent, and number of the Victorian seams of coal, their economic value, and in saying that the successful competition with the mines of New South Wales was impossible. Mr. Mackenzie visited and examined the coal and strata at the Bass, Griffith's Point, Blue Mountains, Sandy Waterholes, Kilcunda, Cape Patterson, Strelezki, near Anderson's Inlet, Stockyard Creek, at Corner Inlet, Traralgon, and Crossover.

At the Bass a shaft had been sunk on the river bank, and some coal said to have been found in it but evirget a its pixely in the low tester.

Stockyard Creek, at Corner Inlet, Traralgon, and Crossover. At the Bass a shaft had been sunk on the river bank, and some coal said to have been found in it, but owing to its being half full of water he was unable to see the strata sunk through; he could not hear of any regular seam of coal having been discovered. At Griffith's Point the carboniferous strata, where a shaft has been sunk, and a small vein of coal found, are lying at an angle of 75°, and no workable seam of coal exists there; it is, in his opinion, only waste of money to sink or bore further in this locality. On Mr. Turnbull's land, at Sandy Waterholes, there are seams of coal exposed in natural cliff sections: these are regular seams, extending over a considerable area. sections; these are regular seams, extending over a considerable area, sections; these are regular seams, extending over a consideran area, and he believes them to be identical with the Rock and Queen veins at Cape Patterson. The coal is of very good quality, but is very much disturbed by faults, and dips 21° to the N.E. The workable portion of the No. 1 seam is 11 in. of good coal, and this is too thin to be of any commercial value. No. 2 measures 13½ in. of good coal, and if it had been formed with a better roof, and had been lying at a less angle, it might possibly have been worked by holing in the 3 in. of coal, lying about 2 ft. below. At Kilcunda the seam extends over a large area, the coal produced is bright, bituminous, and non-caking, and the Coal Board's estimate of 15 in. of good and round coal is, he considers, a very liberal one, and quite as much as it will yield; it considers, a very liberal one, and quite as much as it will yield; it corresponds with the seam found at the Blue Mountain and Strelezki ranges, and on the sea coast west of the Rock and Queen veins. In ranges, and on the sea coast west of the Rock and Queen veins. In his opinion it will be impossible to mine it at such a price as will enable the proprietors to compete with New South Wales or other intercolonial coal in the Melbourne market. At Blue Mountain, at a height of about 310 ft. above, there is a 17-in. seam, which he believes to be identical with the 20-in. coal at Kilcunda. At Cape Patterson there are two seams of coal exceeding 1 ft. in thick and valuable coal field as the coal fields of England, you have no scientific reason for expecting anything superior to the Sydney coal fields. New South Wales; that would be a coal field of what geologists call the Mesozoic age, not at all the age of the old coal fields of England, and the coal deposits of this newer age are never so satisfactory as the older ones. Do you contend that the Mesozoic coal fields are not suitable for the different purposes of commerce? (Prof. M'C.y.) They are not so suitable as the Paleozoic, they are not so extensive, the beds are not so thick or workable, nor is the quality so good over any workable area. If a coal field at Cape Patterson was discovered equally good with the Sydney (New South Wales) coal fields, would you consider it worth working? (Prof. M'Coy.) My individual opinion is that it would not be worth working? Mr. Mackenzie merely referred to this to show the slight reliance that people in other parts of the world should place on Prof. M'Coy's

and would be expensive to work; it is not considered worth working. The lessees are boring deeper, but Mr. Mackenzie thinks they will have to bore at least 1200 ft. before meeting with any other regular seams of coal. At Stockyard Creek there is a thin and inregular seams of coal. At Stockyard Creek there is a thin and inferior coal, the seam varying from 9 in. to 1 ft. At Traralgon there is no coal worth worthing. At Crossover there is a lignite of fair quality, but it is at present of no commercial value in such a position; it is 4 ft. 11 in. and 4 ft. 4 in., with 5 ft. of shale, &c., between.

Aleetings of Bublic Companies.

ECLIPSE GOLD MINING AND QUARTZ CRUSHING COMPANY.

The second ordinary general meeting of shareholders was held at the London Tavern, yesterday, Mr. Austen W. Casswell in the chair.

The second ordinary general meeting of shareholders was held at the London Tavern, yesterday, Mr. Austra W. Casswell in the chair.

The notice calling the meeting was read by Mr. F. R. Bluett, the secretary, and the directors' report was taken as read.

The CHARMAN said the directors were happy to meet the shareholders on the present occasion, not only for the purpose of giving them information, but also to receive any suggestions which any gentleman might wish to make. The directors still had the fullest confidence in the future of the company, provided the necessary funds were placed at their disposal. It would be observed that the number of shares allotted had only been to a limited extent, which so far had crippled the directors' hands. The directors had carried out considerable works with the limited means at their disposal, and if they succeeded in obtaining the funds which the directors required he had no doubt the property would be a success. He hoped the shareholders would not hesitate to subscribe for the debentures, particulars of which would be stated later on, which would put the company in such a position that at the next meeting he thought they might fairly hope to meet with better prospects, and perhaps with a dividend. They would remember that Mr. Willett was to have left for California shands of the directors the visit of Mr. Willett was postponed, but when the financial position of the company was put in a more satisfactory condition no doubt could be entertained but that gentleman would leave for California. As regarded the debentures, the proposal would be to issue 6000c., which would bring up the subscribed apital of the company, including debentures, to the sum of 16,000c. It was proposed that the debentures should be for 28c. each, one-half to be paid the min three montas. They would quarterly, and the holders of the debentures would have the option of converting them into A or ordinary shares of the company are perfectly in the the sum of 16,000c. It was proposed that the whole amount o

Shoold, including all expenses.

The report was then adopted.

On the motion of Mr. R. N. POTTS, seconded by Mr. W. POTTS, the auditor, Mr. W. Westcott, was re-elected.

Mr. Charlies V. Williert referred to the important fact that \$8 or \$10 per ton had been got out of the old "tailings," which were stated, when the old company had the mine, to be worth nothing. He referred to the rich character of the adjacent properties. He added that in about two years a railway would be completed from Los Angelos to Independencia, which would run through the company's property, and thus enable a most important reduction to be made in the cost for freight. Speaking from a personal knowledge of the property, he expressed his confidence in its future success. Before sitting down he moved that a cordial vote of thanks be given to Capt. Endey for his able management of the mine.

The CHARIMAN said he had great ple sure indeed in seconding the resolution, as he was able to confirm what had been said relative to the valuable services of Capt. Endey.—The resolution was carried.

The proceedings closed with a vote of thanks to the Chairman.

[For remainder of Meetings see to-day's Supplement.]

[For remainder of Meetings see to-day's Supplement.]

ECHOES FROM THE MINING MARKET.

ECHOES FROM THE MINING MARKET.

The tin market, after being much livelier, has become a shade weaker, owing apparently to the result of the Banca sale. The 22,800 slabs (about 712 tons) sold at a price agual to nearly 921, per ton, laid down in London, against about 981. (not 961. 10s., as has been reported from Cornwall), for slabs amounting to some 680 tons at the January sale. We see no particular cause for extra depression on this result. The market is confessedly much weaker than it was three months since, and the difference about represents the fall that has occurred. Copper has been weaker upon a sensible decrease in demand, but still there are not wanting signs that the degression is merely an affair of the moment. The iron trade remains in a most stagnant condition, and the consequences of such a continuance of inactivity must be very disastrous to iron companies. The principal business of the week has been in copper, lead, and colliery shares, and transactions in them have been in uncerous and at advancing rates. The following are the more important features. The Crenver and Wheal Abraham Company now appear to have surmounted their difficulties in the Stannaries Court, and we hear that they are doing well at the mine; four ends are yielding 13 tons of copper per fathom, and a winze 2½ tons. At Doicoath there is a great improvement in the bottom end east, where the lode is looking at its best. A fine piece of tin ground has been laid open by holing the winze from the 303 to the 314, so returns may be augmented. A botter enquiry has sprung up for New Consols shares. The lode in the bottom of Phillips's shaft has been cut into about 8 ft., and it is said there are good indications of a profitable lode. The lodes in the 10, 30, and 80 fm. levels are also reported to be good. In Morth Pool the 40 end cast is more encouraging in appearance, and there is also an increase of water. At Old Treburget the lode in the winze under the 60 has also improved, and is valued at 10t, per fathom. There is a good report f

from the stone have just been set to work at South Roskest Mine. This arsenic production is rapidly attaining important proportions in the county, and is a valuable adjunct to those mines possessing mundic in large quantities. The price, as we have more than once stated, has rapidly advanced or late, and leaves a handsome margin for adventurers.

The Wheal Agar executive do not appear to have quite succeeded with their Darlington drill, but it must be taken into consideration that the men are unused to machine drilling, and that it requires very careful working. The agents state that "they trust by a little more experience they shall succeed to the adventurers' satisfaction." We have no doubt of this.

A rise has taken place in Tankerville shares, and they are now quoted 11½ to 13. This mine is turning out excellently, and bids fair to be the leading lead mine

in the market before long. The last report is a very important one, and indicates

in the market before long. The last report is a very important one, and indicates great riches.

The colliery share market has been firm. A good business has again been done in Chapel House, which have been bought largely for investment. Transactions have also taken place in Bilson and Crump, Cardiff and Swansea (rather weaker), Swansea Valley, Great Western, Iton Rhyn (almost nominal in price), Thorp's Gawber, Newport Abercarn, and New Sharlston.

We have received some very encouraging accounts from the Glaisdale Quarry. The sale of stone for March has been the highest yet attained, and has more than covered costs. There appears no reason to doubt that in the course of the present year a good dividend will be paid to the shareholders, as under the energetic local management the quarry is being developed in a most satisfactory manner. A good deal of business has been done in the shares for investment.

The foreign mine market has exhibited increased activity, Javail shares having been in special request. These shares leave off very firm, and are exceedingly scarce, which looks like a "bear" account in them. Eberhardt, New Quebrada, Blehmond, Sweetland Creek, and St. John del Rey have also met with enquiry.

JAMES H. CROFTS.

THE TIN TRADE.

Tin has been dull throughout the past month, and though the de-Tin has been dull throughout the past month, and though the demand has been to a fair extent, renewed pressure to sell has caused a decline in prices. Since last week the downward movement has, however, been checked, holders showing more firmness upon improved reports from London, where large speculative purchases have been made at higher prices. The article attracts a good deal of attention just now. Yesterday the 25,737 slabs offered at the Dutch Trading Company's second sale in 1875 realised as follows: —22,784 slabs Banea, at 524 fl. to 524 fl., average 52+60 fl.; 2953 slabs Billiton, at 514 fl. Banea has been in fair request, but declined from 534 fl. to 52 fl., subsequently advancing to 53 fl. Since the sale there are buyers at 52 fl. Contracts for delivery ex March sale changed hands from 53 fl. to 524 fl. Billiton has again been largely dealt in, the price declining from 514 fl. to 849 fl., from which there was a recovery to 51 fl. There are now buyers at 503 fl. Since will take place at Batavia. The position of Banea thin 19 folland on March 30, according to the Official Returns of the Dutch Trading Company, was:—

	1875.	_	1874.		1873.	
Import in MarchSlabs	-	********	1,490	*******	23,744	
Total three months	9,819		22,363		55,245	
Deliveries in March	12,775	*******	16,694	******	9,400	
Total three months	27,759	********	34,977	*******	22,701	
Stock second-hand	10,437		24,867	*******	11,751	
Unsold stock						
Total stock	117,277	********	122,006	*******	133,509	
AfloatPeculs	1,500	********	4,450	*******	23,626	
Statement of Billiton :-						
Import in MarchSlabs					2,900	
Total three months	16,349		4,000			
Deliveries in March	8,323	*******	1,400		3,345	
Total three months				*******		
Btock	29,955	*******	23,820		5,033	
AfloatPeculs	8,000					
Quotation & Banca		********			87 1/2 fl.	
March 31) Billiton	51		51		88	

200		De	ecem	bei	P		Tw	rel	ve M	onths.			Jan	nuar		
_	1874		1873		1872		1874		1873.	1872		1875		1874		1873
Germany . Tons	298		279	***	265		3377	***	2953	2802		217		194		304
England	22		308		23				1604			13	***	27	***	155
Belgium	109		184		117	*****	1582		1211	1289		. 85		87		89
France	45		25		10		445		488	148		24		4		21
Hamburg	60		- 11		36					370				26		18
United States	44		-	***									***	_	***	
Other countries	10	***	-		. 4		379		293	380		. 4	***	13	***	1
			-		_							-				
Total	588		807		455		6767		6788	5312		355		351	***	588
Rotterdam, A	lpru	1.					_			EBEI	ING	AND	H	VEL	AA	R.

In English no change has taken place. Foreign descriptions improved about 2s. per owt. in the early part of the week, owing to further speculative purchases of Straits being made up to 90s. per owt. both for cash and arrival. When the day of the Dutch sale approached buyers suspended their operations, and the result being scarcely so favourable as had been generally expected they withdrew from the market, and we closed yesterday at a fall of 3s. from the highest point, with sellers rather than buyers at our list prices.

April 2.

James and Shakspeare.

A fair amount of business in tin was done last month, both in A fair amount of business in tin was done last month, both in English and foreign. The arrivals have, however, been heavy, both from Straits and Australia. The deliveries are—Holland, Banea and Billiton, for March, 1875, 650 tons; London, Straits and Australian, deducting 84 tons from Holland, 770 tons; total, 1430 tons. For March, 1674, the deliveries were—Holland, Banea and Billiton, 665 tons; London, Straits and Australian, 665 tons; total, 1230 tons. The bi-monthly sale of Banea was held in Amsterdam, and the quantity offered, 22,800 slabs, realised an average price of 52-60 ft., equal to about 91!, per ton in warehouse, Holland; at the same time 2000 slabs, Billiton, were sold at 51-25 ft., about 58!. Holland. The shipments from Straits for Europe in March were 800 tons, and from Australia about 180 tons. The quantity now floating from Australia, as nearly as can be ascertained, is 1950 tons. English is to day quoted, 94!.; Straits, 88!.; Australian, 37!.—April 1.

The meritary for foreign has been very unsettled during the month.

Australian, 87l.—April 1.

The market for foreign has been very unsettled during the month, Straits opened as 99s., declined to 87s., and at this point a considerable business was done down to 84s. 6d., chiefly for March-April shipment, and forward delivery. This depression was not participated in by spot holders, who declined to be influenced by such operations, and a sharp reaction soon set in, Straits selling up to 87s., and again at 89s. to 99s., which latter was the quotation pending the Dutch sale, which took place yesterday, when 22,800 slabs Banca sold at an average of 52 fls. 60 c., equal to about 91s. 6d. laid down here; also 3000 slabs Billiton, at an average of 51 fls. 25c., equal to about 89s. 6d. per cwt.; this being hardly so good as was expected, the market closes with a drooping tendency. The deliveries are again large, amounting to 797 tons foreign from stocks here, and 675 tons in Holland, 84 tons of which were sent here. Australian has not been offered so freely as Straits, and a moderate quantity has been sold at from 85s. to 88s., 89s. being paid for extra fine quality. English rather neglected, being throughout relatively dearer than foreign.—April 2.

THE COPPER TRADE.

There is no change in the value of this metal since our last

1874—April 1	£75	0	0	Tons	29,500	Tons	36,908
May 1	74	0	0	**********	30,643	**********	36,993
June 1	75	0	0	**********	27,522	*********	34,238
July 1	78	0	0	********	26,679	*********	32,275
August 1	76	0	0	**********	27,762	****** :****	32,691
September 1	78	0	0	**********	26,852	**********	33,159
October 1	81	0	0	*********	24,035	*********	31,059
November 1	84	0	0	**********	21,957	******	29,516
December 1	87	0	0	**********	20,572	*********	27,628
1875-January 1	83	0	0	**********	20,668	**********	29,722
February 1	83	0	0	**********	21,008	********	30,105
March 1	82	0	0	*********	20,990	*********	32,243
April 1	80	0	0	********	23,365	**********	32,758
And the comparative position	ns at	the	Ba	me date o	f the p	ast four ye	ears with the
present are as follow :-						Stock, inc	cluding afloa
	P	rice	в.	Stoc	k on ha	nd. and	chartered.
1871—April 1	£64	0	0	Tons	34,568	Tons	45,177
1872-April 1		0	0		19,507	**********	30,907
1873-April 1	92	0	0		30,396	***********	39,375
1874-April 1	75	0	0		29,500	********	36,908

Leadenhall-street, London, April 1.

HENRY ROGERS, SONS, AND CO.

No transactions have taken place in ore or regulus by private contract, and there is virtually nothing for sale at present values. Bars are steady at the rates quoted last week; a few transactions were reported in good ordinary brands at 804, cash, also at same figure with a fixed prompt of three months, the sellers thereof having a bad opinion of the future, and being willing to back their views by sales for forward delivery at the rates now ruling for spot parcels; where buyers required the option of taking up the stuff any time within the prompt they have been compelled to pay a premium of 10s. per ton. A small trade has been done in picked marks at 804. 10s.; best brands at 814. and 814. 10s., all cash terms. The market closes steady at these prices, and though buyers are few sellers thereat are equally wanting. It is to be noted that a somewhat long standing error has existed in the returns of the Havre stock of bars, the figures during the last few months having been about 500 tons below the quantity actually lying there; this is now corrected, but the actual deliveries of the month are, therefore, greater by 500 tons than those which have apparently taken place according to the statistical figures. Australian sorts are quiet, and quotations somewhat nominal, the difference between buyers and sellers' views being too great to permit of any important business. English descriptions continue dull, but tough ingot is scarce, and commands almost the same value as select.

JAMES AND SHAESPEARE.

10, Austinfrians, April 2.

The course of the market during the past month serves to illus-

The course of the market during the past month serves to illus trate in a more marked degree how the generally existing depression has in-ductood this article. The smelters have bought the bulk of the furnnen anterial that has offered, chiefly of floating oargoes, at current rates; but, with this soxep

tion, the demand has been slack for most descriptions; and, notwice continuance of moderate charters advised for the past two months is tion, the demand has been slack for most descriptions; and, notwiths continuance of moderate charters advised for the past two monts from (showing an average of only 1675 tons in pure copper per fortaigh), idedined to 80%. for Chill Bars, and 86% for tough, without indexing lation, or acting as any stimulus to the trade. The moderaducing continuation of the public stocks during the past two months are owing to the promato being chiefly supplied from Havre; and the annexed statistics taking into consideration the closer communication with Valparaise of the cable, the position is becoming less favourable month by month, confirming the opinion expressed our annual circular, that, at the proform of prices, the supplies would be ample to meet the general requirem trade for some time to come.

Leadenhalt-street, April 2.**

This mystel has been proglected denises the second of the state of the property of the property of the supplies and the profession of the progression of the supplies would be ample to meet the general requirem trade for some time to come.

This metal has been neglected during the past month, and quois Leadenhall-street, April 2.

This metal has been neglected during the past month, and quois tions are about 22. per ton lower than on March 1. The charters from the Was and for the last half of March 1700 tons, of which 200 tons are destined for the Cast continue moderate—for the last half of March 1700 tons, of which 200 tons are destined for the Cast and for the last half of March 1700 tons, of which 200 tons are destined for the Cast and for the last half of March 1700 tons, of which 200 tons are destined for the Cast and States, Smelters have made considerable purchases of furnace stard during the panonth at 185, 9d. per unit for ore; but the demand for tong and manufactured not assure that the part of the Cast and Samma and Cast and Samma and Cast and Samma are considered as the Cast and Samma London, April 1.

STATISTICS OF COPPER—APRIL 1. STATISTICS OF COPPER—APRIL 1.

Chili bars in Liverpool and SwansesTons		
Ditto in Swansea. Chili ingots in Liverpool	1,589	
Ditto in Swanger	314	
Ditto arrived here but not yet landed		
Chili bars and Barilla in Havre	60	
Affoat and chartered from Chill to Europe (advised by	625	= 23,273
Ores and regulus (equal to fine)	5,335	
Dars and ingots		
Fine copper		= 0,618
Afloat and chartered from Chili to Europe (advised by cable)	*********	1,625
Fine copper	********	8,000
Total Price of bars, 80l.; Australian ditto, 90l.; English tough April 1, 1875. HENRY R. M	ditto, 8	87,522 71.
-		

TYLLWYD MINING COMPANY.

TO THE EDITOR OF THE MINING JOURNAL.

TILLWID MINING COMPANY,

TO THE EDITOR OF THE MINING JOURNAL.

Sir,—The letter of "C. E. W." in last week's Journal betrays such an amounter ignorance that, I feel convinced he cannot understand what he is writing about. If the ore in the bottom of the winze is valued at I ton of lead ore per fathom, hew can he possibly imagine "the bunch of ore has been unbottomed." All rather market price of the shares more than with the desire to elicit any induceding the market price of the shares more than with the desire to elicit any induceding the formation regarding the mine, there being no such name among our shareholden having his initials, perhaps he will not be too well pleased to lear that one on the south lode has not been unbottomed in any portion of it, but that it is going down with every appearance of becoming richer in depth, and the end at the present time is estimated by the manager to be worth I ton 5 own the action of the south lode. At the 20, the manager estimate, her fathom.

The engine-shaft is now being sunk another 10 fms., when we shall drive set again on the south lode. At the 20, the manager estimates we have laid open 400 tons of ore, and in driving west of the winze the ore is becoming richer as we about another 500 tons laid open, making altogether alone 500 tons of ore on both lodes. With reference to "C. E. W."s" remarks that there are still no sales of ore, and dividends seem to be far distant. Perhaps, not being a shareholder, his unavare that an engine shaft has been sunk about 38 fathoms from surface, a 40 feet water-wheel placed, but, after having completed these, the directors considered it only prudent to lay open a considerable quantity of ore before erecting a crashen louse or dressing floors, as they saw no wisdom in building these before finding the ore, as is too often done—10 the ruin of a mine—and I do not know whether it will be as pleasant to "C. E. W." to learn as it will be for the shareholders to be informed that, a large quantity of ore having been laid open, the crusher

[For remainder of Original Correspondence see this day's Supplement.]

MINING NOTABILIA

[EXTRACTS FROM OUR MINING CORRESPONDENCE.]

WHEAL GRESSON (eight miles from Tavistock and four from Laur-WHEAL GRESSON (eight miles from Tavistock and four from Launceston).—This sett was worked many years ago, and given up owing to the low price of lead, and being held principally by two parties who had not atmicinetapital to extend operations. It contains five lodes; the deepest sinking is a 20 fm. level, driven on the course of one of the lodes 70 fms., from which over 600 tened ore has been raised and sold. Another of the lodes, which was termed the copper lode, has been driven on about 30 fms., producing throughout very good work for a crusher. This lode is 3 fms. north of the lead lode; they will form a junction a about 36 fms. under the present level. Another of the lodes, from which lead has been raised, is about 15 fms. further north: while another is about 45 fms. further north: while another is about 45 fms. further north; two while you do stones of copper and lead ore have been raised. The lodes have been proved to be making a considerable quantity of ore at a shallow depth, and there is every prospect of the mine becoming a rich one with the outly of a few thousand pounds, as ore can be raised immediately it is unwatered, while by staking to the junction of the lodes above referred to very profitable results may be anticipated.

eanticipated.

ST. AGNES CONSOLS is looking quite as well as when the recent iscoveries were reported, with improving prospects. The sinking of the engine haft is being pushed on with all possible dispatch, with a view to the intersection of the Wheal Kitty lode.

OLD TINCROFT.—This mine is much improved in appearance, and perations for the speedy opening of the ground are energetically proceeding.

CORNISH MINE MACHINERY IN MEXICO.—The following is from El Constitucional, a Mexican newspaper, dated Jan. 21:—A correspondent wites from Mineral del Monte the following:—On Monday we had the pleasure of witnessing the inauguration of the splendid new pumping-engine which the company of Real del Monte and Pachuca have erected at immense cost on the Acosta shaft. This engine is one of the best in the country, both for its new appliances and terms are constructed by the well-known firm of Messrs. Harvey and Co., Hayis, Cornwall, England, under the inspection of the practical engineer, Mr. Mathew Bawden, who was also intrusted with the erection of the same, which should as as a powerful auxiliary to the other engines in the general drainage of the distrist action of his employers, thereby retaining his well-carned reputation in this country. The usual ceremony was very simple. Refreshments were provided for the numercus visitors and employees of the company, who were entertained by the directors, Don Jose de Landero ay Cos, with his usual kindness. At the conclusion of the ceremony enthusiastic toasts were given in honour of those who had been engaged in the work, and great hopes are expressed that the eteps taken this dy might eventually lead to new discoveries, as well as encourage mining enterpies in the neighbourhood. El Constitucional dads:—We sincerely wish the greates success to the Real del Monte Company in their undertaking, and hope that the perseverance and immense outlay.

WEST FRANCES,—A special meeting for the appointment of an agent in the place of Capt. Rabling, and they had not intended to appoint ment of the vacant post, he had thought it advisable to call this special meeting at a market date. The meeting was well attended, and thereby recoup the enormous sums they have expended. They are deserving the best success for their perseverance and immense outlay.

WEST FRANCES,—A special meeting for the appointment of an agent in the place of Capt. Rabling, and they had not intended to appoint another

CARGOLL.—"C. T." writes—"I firmly believe that we are going to have a good mine at Cargoll, if spiritedly and economically worked. I, for one, was adverse to the old workings at Cargoll being abandoned. I well remember the adjoining mine, East Wheal Rose, being at work, when they were giving 60, per share dividend, with a bonus of 20. at every account meeting. Fancy 80, per share dividend, sin these days! These large dividends at East Wheal Rose were kept up for some years, and nething would give me greater pleasure than to best of the much respected purser again handing down those pleasing 'little bits of paper'—dividend cheques—every two or three months. In a comparatively short period at East Wheal Rose they gave about 250,000.—about a quarter of a millies sterling—in dividends. It was never so deep as Cargoll. Mine adventuers' mouths would water, I fancy, to hear of 20,000., odd being handed round in the way of dividends regularly at every account meeting. The consumption of cast, timber, &c., was enormous—all paid out of profits—and no questions asked in those days as to prices. 'Supply a good article at fair prices, that is all we sak,' was the maxim in those days."

Countril Mines Stable Market.—On account of the holidays and

CORNISH MINE SHARE MARKET.—On account of the holidays and CORNISH MINE SHARE MARKET.—On account of the lolling's since he hear approach of the Banca sale, there has not been very much doing in the share market during the week. Shares, however, have kept firm, at about last week's prices, and have been in fair demand. The Banca tin at the two monthly sale on Wednesday was sold at a price equal to about 91. laid down in London. The following are the closing prices:—Carn Brea in demand, at 46 to 47. Cook's Kitchen but little dealt in, price 7½ to 8½. Dolcoath fairly dealt in, at 48 to 45, and close 46 to 47. East Pool not quite so good as last week, 11½ to 13½. East Lovell in better demand, at 6½ to 7½. Providence shares quiet, at 4½ to 8. Rosp.

APRIL 3. wall Hill, 5s. to 7s.
week's price, 27s. to
st 16 to 17. South Is
a fair amount of at
delig, nominally 2
continued steady, a
45. Wheal Jane que
Wheal Uny, 2½ to
the appointment of

DET

The reputation of high not only technical science expected to be sof Determination of the control of the contro thoroughly satis in Von Kobell's in Von Kobell's purpose for wh signed it may Jahrbücher" in 1873, was enabl wo English, an is stated that Prof. which renders refe to English-reading plan of instruction work through a continuitie mineralo Safeln, many stud English and instruction work through a continuitie mineralo Safeln, many stud to a rangement; it garners order of each of the safe of Plattner's order of each of the safe of Plattner's order of each of the safe of the se to tabulation, I which it is hoped book being genering to Prof. Brusiables, each conts and as a uniform of reference. The and group under the species; while under the species; while with a view to a particularly easy. The printing and the use of

""Manual of inalysis." By (chool. New Y io., Ludgate Hi PRACTICAL

and the use of an expert blow book, which h

blow-pipe for and of the sch the result of v

mallest possi of easily porta from which it

The genera he value of a o the facility fone or othe ed to very n be extreme for the perfor large amou for placing the reach of process of the world is Manich, and P of the former—from the circum was reached in which was published in the college, Cambroligae, Camb adding princip the man and a met each arrangem quently be call with all the could be spot where deepend upon it is equally to a series of the spot where depend upon it is equally transmission of the spot where depend upon it is equally transmission of the spot which is equally transmission of the spot which is the spot which the spot which there do not important the second princip of the spot which there do not important the spot which the spot which there do not important the spot which the spot

donr of garli

13,379

1,635 8,000

Aun-

e low nt ea-lo fm. ons of opper rk for ion at ad has

, and

Frites

f wit
panyyshaft.

d for nder.

Layle,

thew

dd act

thrict,

wden

eatis
this

ed for

y the

usion

been

s day

prise

at the

good other artier ceing m so arter ikely Mr.

g to

the last thly lon. ok's 48, Bast

vall Hill, 5s. to 7s. 6d. South Carn Brea moderately dealt in, and close at last week's price, 22s. to 24s. South Condurrow inactive, 4 to 4½. South Crofty steady, week's price, 27s. to 24s. South Condurrow inactive, 4 to 4½. South Crofty steady, at 16 to 17. South Frances, nothing doing, norminally 6 to 8. Tincroft have received a fair amount of attention, at about 23, closing 23 to 24. St. Ives Consols, nothing a fair amount of 25 to 3. Trumpet Consols called 1 to 1½. West Basset have doing, norminally 2½ to 3. Trumpet Consols called 1 to 1½. West Trumpet Consols called 4½. Wheal Jane quoted at 4 to 4½. The 4½ to 5 to 4½. The 4½ to 5 to 4½. The 4½ to 5 to 5½. The 4½ to 5 to 4½. The 4½ to 5 to 5½. The 4½ to 5 to 5½. The 4½ t

DETERMINATIVE MINERALOGY.

DETERMINATIVE MINERALOGY.

The reputation of the Sheffield Scientific School of Tale College is so high not only in America, but in Europe also, that text books of so high not only in America, but in Europe also, that text books of tale that the state of the state

uticularly easy. The printing and arrangement of the work is throughout excellent, The printing and arrangement of the work is throughout excellent, and the use of it as a text book is well calculated to make the student an expert blowpipist; it is, in fact, an adaptation of Von Kobell's book, which has never pretended to be other than a manual of the blow-pipe for practical men, to the requirements of the laboratory, and of the school of technology; and it may fairly be assumed that the result of working with Prof. Brush's tables will be to give ample confidence in the field, even to the investigator provided with the smallest possible quantity of apparatus, and a very limited number of easily portable re-agents. The volume is well worthy of the school from which it emanates. m which it emanates.

⁸⁴Manual of Determinative Mineralogy, with an Introduction on Blow-pipe saalysis." By GEO. J. BRUSH, Professor of Mineralogy in the Sheffield Scientific School. New York: John Wiley and Son, Astor-place. London: Trübner and ©., Ludgate Hill.

PRACTICAL GUIDE TO THE DETERMINATION OF MINERALS BY THE BLOWPIPE.

The general recognition in almost every branch of industry of the value of at least an elementary knowledge of mineralogy, owing to the facility which it gives for estimating the quality or purity of one or other of the materials used in the processes employed, has led to very numerous efforts being made to furnish a reliable and apid means for the determination of salts and minerals, and from the extreme portability and compactness of the complete apparatus for the performance of blowpipe analysis that method has received a large amount of attention. For the two leading arrangements for placing the means of determination, especially qualitative, within the reach of practical men and comparatively inexperienced students the world is indebted to Germans—those of Franz von Kobell, of Manich, and Prof. Fuchs, of Heidelberg, the latter being, in fact, a modification of the former—being each recognised as excellent, as indeed may be judged of from from the circumstance that Franz von Kobell's book, the tenth edition of which was reached in 1873, has been ranslated into several languages, whilst Fuchs's, algue pour la Determination des Mineraux) by Ang. Guerout, and the second translation into English has now been issued by Mr. T. W. Danby's, of Downing College, Cambridge. The first translation into English that of Prof. George W. Flympton, of the Polytechnic Institute, of Brooklyn, New York (New York: Van Yostrand, London: Trübner) was fully noticed in the Mining Journal of Nov. 28 lat, differs from that of Mr. Danby, inasmuch as Prof. Plympton has given the swechmical notation, which is also adopted in the later editions of Von Kobell, willst Mr. Danby retains the old, which with many of the older mineralogists is Recording as they have on the recording at the second control of the profession of the colder mineralogists. Is will be recollected that Von Kobell divides all minerals into two great classes, The general recognition in almost every branch of industry of

see elemical notation, which is also adopted in the state establish is wills the LDARD retains the old, which with many of the older mineralogists is still preferred.

It will be recollected that Von Kobell divides all minerals into two great classes, stording as they have or have not a metallic lustre, and then subdivides them so is to bring them into separate groups, according to their hardness and behaviour when heated on charcoal before the blowpipe alone, with soda, with borax, and so a; whilst Fuchs adopts the almost opnosite course, making the behaviour the lading principle of classification, and their grouping according as they have or have not a metallic lustre secondary. No doubt much could be said in favour of sech arrangement. The mineralogist, as the author very truly remarks, will frequently be called upon to test newly acquired specimens for only in the laboratory, with all the conveniences of chemical research around him, but in the field near the specimen is considered to the specimens and involve few and readily performed reactions. It is equally true that the crystallographical forms of minerals under investigation are generally so imperfect, small, and obscure that their destruction is of no momen; such specimens may be advantageously determined by chemical means, among which a course of blowpipe testing will be found the most available for the purpose of the mineralogical student. This method is applicable in all or nearly il cases, but when a specimen is interesting on account of the most available for the propose of the mineralogical student. This method is applicable in all or nearly il cases, but when a specimen is interesting on account of the most available for the provided, there is given a summary of the reactions indicating the presence of the reaction of the appearatus and reagents with which the investigator must be reveal elements.

ided, there is given a summary of the reactions indicating the presence of the rale lements. Rer the General Table the general headings are repeated, and the details conling the several minerals belonging to each group are given. The manner in the these details are given by You Kobell and by Fuchs do not materially differ, important inservations of Fuchs shooth by Prof. Plympton and by Mr. Danby. In the original the formula are with the old-fashioned dotted, dashed, and crossed letters, to represent gen, sulphur, and double atoms respectively. These were abandoned by Prof. may be remarked that "in place of the complex chemical formulas of the sch and German works he had, in consequence of the elementary character of book, preferred to give the chemical names." Mr. Danby has not gone quite so as this, but has given a chemical formula more modern than the dotted system, writes As S' for orpiment, As O' for arsente bloom, and so on. There are also had differences in the two translations; thus, turning to minerals evolving the art of garlic, and having a metallic lustre, Prof. Plympton states that "arsenic anatimony as native metals belong to this group only when the assay consists "Practical Guide to the Determination of Minerals by the Blowpipe." By C. W. O. Fucze, Professor in the University of Heidelberg. Translated and the professor of the complex of the professor in the University of Heidelberg. Translated and the professor of the professor in the University of Heidelberg. Translated and

as a guide-book, a more useful companion in the field could scarcely

PROXIMATE ORGANIC ANALYSIS.

as a guide-book, a more useful companion in the field could scarcely be wished for.

PROXIMATE ORGANIC ANALYSIS.

Since the first appearance, now more than 30 years ago, of Dr. Will's "Outlines of the Course of Qualitative Analysis followed in the Giessen Laboratory," it has become so customary for students of inorganic analysis to be taught from the moment they enter the laboratory to adopt a defined and scientific method of procedure, usually explained in concise language in a reliable text book with which they are provided, that the younger chemists can scarcely appreciate the obstacles which the student of half a century since had to encounter in acquiring the knowledge requisite to give him even a decent position in his profession; yet it has been left for Prof. ALBERT PERSCOTT, of the University of Michigan, to perform to day a corresponding service for the students of organic analysis, and in doing so he has furnished an outline which, if not perfect, will assuredly form the best upon which future systematic methods of organic analysis will be for the best of the service of the service of the best of the service of the service of the best of the service of the service of the best of the service of the service of the best of the service of the service of the best of the service of the

cent. of acid. It is then explained how in the absence of acids forming lead saits it may be precipitated, &c., and weighed as normal lead tartrates; when PbC'H'O'. H'O'. H'O

sirable—not alone for students in special applications of chemistry, but for the convenience of every analyst. Proximate organic analysis, be remarks, is not altogether impracticable, and organic chemistry " "Outlines of Proximate Organic Analysis for the Identification, Separation, and Quantitative determination of the more commonly cocurring Organic Compounds." By Albert B. Prescott, Professor of Organic and Applied Chemistry in the University of Michigan. New York: Van Nestrend, Murray and Warren.

of too large fragments, or when on account of impurities in the former the volatilisation is not complete;" whilst Mr. Danby says that "native areselo and aresentive when too larges a portion of in this group when the mineral steed is impure, or when too larges a portion of in this group when the mineral steed is impure, or when too larges a portion of in this group when the mineral is not readily apparent."

In place of the second part of Puchs's book. Mr. Danby has given a table of far greater practical utility, showing the hardness, specific gravity, and cry stallographic a system of each species so far as the latter are determined beyond question: and system of each species so far as the latter are determined beyond question: and system of each species so far as the latter are determined beyond question: and system of each species so far as the latter are determined beyond question: and system of each species so far as the latter are determined beyond question: and the reduction of the system of the proposal system of each species so far as the latter are determined beyond question: and the reduction of the system of the proposal system of each species so far as the latter are determined beyond question: and the reduction of the system of the proposal system of each species so far as the latter are determined to a system of the proposal system of each system of the system of the proposal system of the system of the proposal system of the system court has produced a work which he may well be congratulated.

PRACTICAL HYDRAULICS.

Although many years have elapsed since Downing's Practical Hydraulics was first introduced as a text book no work subsequently published has been able to supersede it, whether considered for its utility to the student or for its general reliability, and the third edition," the first portion of which has now been issued, is in every respect calculated to maintain the reputation of the work. The science of hydraulics he delines as having for its object the knowledge of the phenomena of fluids in motion, and of the laws which explains the production of these phenomena. Applied as an art, its object is to render this knowledge available in the designs of the civil engineer, as in the determination of the dimensions of pipes for conveying water, gas, or air, and also in works for collecting the summit levels of canals, or for the supply of cities, and generally of all such works as depend for their suitable construction and preportions upon the rends of the summit levels of canals, or for the supply of cities, and generally of all such works as depend for their suitable construction and preportions upon the rends of the summit levels of canals, or for the supply of cities, and generally of all such works as depend for their suitable construction and preportions upon the rends of the summit levels of canals, or for the supply of cities, and generally of all such works as depend for their suitable construction and preportions upon the rends of the summit levels of the preparation of the summit of the summit

The concise and lucid style in which Professor Downing conveys The concise and lucid style in which Professor Downing conveys his instruction is already well known, and his Practical Hydraulics has long been recognised as decidedly the best guide that can be placed in the hands of the student, so that all that need be said with regard to the present edition is that every improvement which experience has suggested has been introduced; that numerous illustrations have been given in order that no doubt can possibly arise when the matter would not be quite clear without diagrams; and that those who rely upon the volume in its present state will have no cause to fear presenting themselves for any competitive examination upon the subject, or undertaking the solution of any question likely to arise in practice.

""Elements of Practical Hydraulies for the use of Students in Engineering and

* "Elements of Practical Hydraulies for the use of Students in Engineering and Architecture." Part I. By Samuel Downing, LL.D., Professor of Civil Engineering in the University of Dublin. Third edition, revised and enlarged. London Longmans, Green, and Co.

Geology of Victoria.—An interesting series of "Observations on New Vegetable Fossils of the Auriferous Drifts," by Baron Ferdinand von Müller, the Government botanist, has been printed in connection with the Geological Survey of Victoria. Spondylestrobus, smythli, phymatocaryon mackayli, trentatocaryon macellani, rhytidotheca lynchli, plesiocapparis prisos, celyphina mecoyl, odontocaryon magergeorii, conchotheca rotundata, rhytidotheca pleicolinis, pentenne ciarkeii, p. brachyclinis, p. trachyclinis, dieune pluriovulata, platycolla sullivani, fihymatocaryon angulare, and conchotheca targida, are described and figured, each lithogram being accompanied by the necessary explanations. No trouble seems to have been spared to render the book (which is published by authority in Melbourne by Mr. John Ferres, the Government printer, and in London by Messer. Tribner' complete, and the Secretary for Mines v ry justiy compliments Mr. R. Shepherd for the admirable manner in which the lithograms are executed. The work is altogether a very important contribution to Victorian mining literature.

LAMPS.-Lieut.-Col. MARTIN, of Box Grove, Guildford, has pa-LAMPS.—Lieut.-Col. MARTIN, of Box Grove, Guildford, has patented some improvements in lamps for railway carriages, also applicable to mining lamps. The invention consists in admitting the air supply to the burners of railway lamps from within the railway carriage instead of from the external atmosphere. For this purpose the air tubes are made to communicate with openings formed in the lower part of the casing within the carriage, or the air tubes are dispensed with, and the air is admitted through holes in the lower part of the casing or in the top of the glass globe, such holes being provided on the inside with deflecting plates for directing the air downwards. The glass globe is made to open on a hinge, so as to enable the lamp to be trimmed and the glass cleaned from the inside of the carriage. The air tubes are made of oval shape in transverse sootion, with a flat side next the glass, and the oil tube is enclosed within the air tube, or an air tube of small size and the oil tube are enclosed in another tube of the above described shape. The said improved lamps are also rendered applicable as mining lamps by covering the air holes with fine wire gauze.

MACHINERY FOR EXTRACTING PRAT.—The invention of Mr.

Amps by covering the air holes with fine wire gauze.

MACHINERY FOR EXTRACTING PEAT.—The invention of Mr. STRIER BLEIANI, of Paris, relates to machinery for extracting peat, consisting of a platform mounted on wheels to move along the peat bank, and having on is confine and driving gear, and a number of vertically ascending and descending takets, arranged in echelon order, each bucket having valves opening upwards. the platform is steadled by a projecting framing attached to a truck running on he lower level of the peat, or when there is water at the lower level to a fleeting large or raft.

Mining Correspondence.

BRITISH MINES.

BRITISH MINES,

ABERDAUNANT.—S. Toy, March 31: In No. 4 stope, above No. 2 adit level, there is no improvement is the lode for the last week, still worth 14t. per cubic fathom for lead, but I expect it will become ere long more valuable, judging from present appearances. In No. 1 adit, driving east, the men are making good progress in driving, and 1 am pleased to inform you the lode has very much improved during the past week, and is now worth 15t. per fathom for lead; if this lode continues east for a few fathoms, which it has every appearance of doing at present, we shall soon open up some good stoping ground in this level. All other works in the mine are progressing favovrably.

AMBROSE LAKE.—P. Temby, March 31: During the past four weeks our operations have been confined to sinking and rising for ventilation, and convenience of stoping away the ore ground; this communication was completed on the 24th inst. We have again resumed driving our bottom ends east and west, and also commenced stoping the western end of the winze; the lode was taken down to-day in both ends; in the end west of the cross-cut it is fully 20 in. wide, and worth 3 tons of rich grey and yellow copper ore per fathom, and has every appearance of a further improvement; the lode is well defined, and still letting out a large stream of water. The lode in the east end is 15 in. wide, and worth 2 tons of yellow copper ore per fathom; this end is much the same as last reported on. The lode in the stopes is about 15 in. wide, and worth 2½ tons per fathom; we shall commence stoping in the back of the levels so soon as the ends are out of the way. We have a splendid pile of ore at surface, and are preparing the floors, and shall dress a parcel for market shortly.

BAMPFYLDE.—J. Juleff, H. T. Haley, March 24: Betting Report: The 112 to drive west of No. 4 shaft is set to four men, at 51. los. per fm.; the lode at present is small. The 70 is set to drive east of No. 4 shaft with two men, at 10. per fm.; tode worth 100 per fm.; tode worth 100 per fm.;

BEDFORD UNITED.—w. Linear, and the same as reported day. The mine throughout continues to look much the same as reported as the continues. BOG.—Wm. T. Harris, J. Barkell, March 31: There is no change to report in the driving at the 175 since last report. In driving the cross-out north from the Whitestone lode, at the 163, in search of more lode, we have intersected a branch containing lead and blende, but believing there is something better still ahead the cross-out is being continued. The same level driving west, on main lode, is still laying open profitable tribute ground, and it is favourable for progress. The new vinuze in the bottom of the 143 is going down in a lode worth for lead and blende about 10. per fathom, and the ground being easy for progress will be worked at a good profit when the winze is holed. There is no change in the 100 or 50, driving east from Buntin's shaft, calling for remark since last report, and the same may he said of the tribute department.

winze in the bottom of the 148 is going down in a iode worth for lead and biende about 10t. per fathom, and the ground being easy for progress will be worked at a good profit when the winze is holed. There is no change in the 100 or 50, driving east from Buntin's shaft, calling for remark since last report, and the same may be said of the tribute department.

BOWDEN HILL.—J. Goldworthy, March 25: The adit level is being forced on with all speed. Good progress is being made. The stratum is a blue clay-slate, congenial for the production of manganese. The dip of the rook is north, similar to the lock of the stratum is a blue clay-slate, congenial for the production of manganese. The dip of the rook is north, similar to the lock of the stratum is a blue clay-slate, congenial for the production of manganese. The dip of the rook is north, similar to the lock of the stratum is a blue clay-slate, congenial for the production of manganese. The dip of the rook is north, similar to the lock of the stratum is a blue clay-slate, congenial for the production of the stratum is a blue clay-slate, the lock of the stratum is a blue clay-slate, the lock of the lock of the stratum is a blue clay-slate to the lock of t

Veins me and easily wrought; the men are breaking it in large blocks, from 100 to 150 lbs. in weight.

COURT (BRANGE.—Edward Dunkin, April 1: No change worthy of remark has taken place in any of the bargains since my last. The points are in course of prosecution with the utmost dispatch. The machinery is in good order.

CRENYER AND WHEAL ABRAHAM.—W. Thomas, Jas Hammill, March 31: Setting Report: Sturt's engine-shaft: To drive the 229 fm. level west, by eight men, the month, at 14. per fathom; the lode is 1½ ft. wide, yielding a little copper ore. To sink a winze below the 215 fm. level west, by six men, the month, at 14. per fathom; the lode is 2½ ft. wide, producing 2 tons of copper ore per fm.—St. George's shaft: To drive 215 fm. level west, by six men, the month, at 12. per fathom; the lode in the end is 3 ft. wide, and yields 1½ ton of copper ore per fathom. The lode here has a much better appearance. To drive the 205 fm. level, east, on the south lode, by six men, the month, at 71. per fathom: the lode is 2½ ft. wide, and will yield 2 tons of copper ore per fathom.—Woolf's Shaft: To drive the 220 fm. level east, by six men, the month, at 71. per fathom; the lode is 5 ft. wide, producing 5 tons of copper ore per fathom. To drive the 220 cm. level east, by six men, the month, at 71. per fathom; the lode is 5 ft. wide, producing 5 tons of copper ore per fathom. To drive the 220 cm. level. Shaft: To drive the 220 cocasionally stones of copper ore. We are of opinion that the lode in this end will shortly im-

six men, the month, at it. per fashon; the lode is it. White, yielding occasioning stomes of copper ore. We are of opinion that the lode in this end will shortly improve.—Blewitt's Shaft: To drive the 234 west by eight men, the month, at 10: per fathom; the lode in this end is a little disordered, but looking at the ground driven through in the level above there is every probability of its becoming productive shortly.—Elchard's shaft: To drive the 230 west and stope the back, by 12 men, to be paid 4i, per fathom for driving and 5s. in 1l. tribute; lode 7ft. wide, and yielding fully 5 tons of copper ore per fathom. To rise in the back of the 200 west, by six men, the month, at 7l. per fathom; the lode is 3 ft. wide, yielding a little copper ore. There are employed this week on tutwork 64 men and boys; on tribute, 16e; at surface, 35: total, 26s.

DE BROKE.—T. Hodge and Son, Morch 31: at Wilson's shaft the water is getting powerful for manual isbour, and renders progress slow. We have dialled the 25 to-day, and shall commence a cross-cut to go under the said shaft at once; there is about 5 fms. to reach the line of the same. The stope in the back of the 26, west of junction, is worth for lead 12l. per fathom, with some good stones of copper ore throughout the lode—of value. The stope in the bottom of the adit, east of No. 2 shaft, is worth 18l. per fathom. The winze below the adit, west of Wilson's shaft, is down about 3 ft; the lode is large, and jvields some good stones of oro—a promising lode. We are getting on very well with our surface work, and shall have 12 tons of lead ore, the produce of one month's working, in the market at the usual time.

DEN BIGHBHIRE CONSOLIDATED.—J. Prvor. April 1: In the 112 cast a

12 tons of lead ore, the produce of one month's working, in the market at the usual time.

DENBIGHBHIE CONSOLIDATED.—J. Pryor, April 1; In the 112 east a change in the ground has taken place since my last; altogether the lode is embedded in a softer rock, consequently greater progress should be made. As announced last weeks, a considerable improvement is noticeable in the 112 west; the lode is now fully 3 ft. wide, composed of spar, with a good rib of ore, and every indication of our being in the vicinity of the junction. We have carefully dialled this lavel, and find that we are only 4 ft. off Junction shaft; you may, therefore, unserstand the pleasure it affords me to find even a great and decided change in the vice and dip of measures. We shall sell a parcel of ore next week.

DEVON GREAT CONSOLS.—Jas. Richards, April 2: Wheat Josiah: Richards' confine-shaft is in regular course of sinking below the 255 fm. lavel; 35,4 ft. of the lode is being carried, composed of caple, mundic, quartz, and a little tin ore.—Richards' engine-shaft: In the 60 or adit level west the lode is 4 ft. wide, and worth

3 tons of ore, or 24!. per fathom.—Wheal Emms, Railway Shaft, New South Lode: In Dart's winze, sinking below the 145 fm. level east, 2 ft. of the lode is still being carried, and is worth 2 tons of ore, or 6! per fathom. The lode in Burgoyne's winze, being stripped down below the 130 fm. level west, is 6 ft. wide, and worth 4 tons of ore, or 12!. per fathom.—New Shaft, New South Lode: In the 145 fm. level east the lode is 6 ft. wide, a good course of ore, worth 12 tons, or 40!. per fathom. About 4 fathoms behind this end the ground has been cut for the purpose of sinking a new winze, and at this point the lode proves to be 8 ft. wide, altogether a good course of ore, worth 20 tons, or 60!. per fathom. In the 130 fm. level east the lode is 6 ft. wide, and still worth 6 tons of ore, or 24!. per fathom. In Castle's winze, below the 130 fm. level, sinking is continued by the side of the lode, and the ground admits of fair progress being made. We hope to effect a communication with the 145 fm. level in about six weeks from this time, when the lode will be stripped down from wall to wall, and, judging from appearances, it will prove a good course of ore. In Parson's winze, below the 130 fm. level, the lode, or part thereof carried 3 ft. wide, is worth 6 tons of ore, or 30!. per fathom. In Seccombe's rise, in the back of the 115 fm. level east, the lode is worth 2 tons of ore, or 8!, per fathom.

DVIJIPEE.—E. Rogers, March 31. Dvilffe lode. The 130 is set to six men, to

or 8. per fathom. In the 100 fm. level east the lode is worth 2 tons of ore, or 8. per fathom.

DYLIFFE.—E. Rogers, March 31: Dyliffe lode: The 120 is set to six men, to drive east of boundary shaft, the month, at 81. per fathom. The lode is very large, composed of spar, blende, copper, and lead ore, the latter worth 121. per fathom. At the 105 we are sinking a winze by nine men, at 81. per fathom. We intend to communicate this to the 120 as soon as possible. The driving of the 40 is suspended until the lode is stripped down to the forebreast, in order to ascertain whether we cannot drive nearer the productive part. Price for cutting through the lode by six men is 41. 10s. per fathom; lode worth 201. per fathom. The 25 is set to six men, to drive east of old engine shaft, at 51. 15s. per fathom. The lode is small and un productive. This level is also driving west by six men, at 31. per fathom, and 71. 10s. per ton for lead ore. The lode will juust pay the expense of driving. The back will be taken away at a profit. The 15 is driving east of old engine-shaft by six men, at 61. 10s. per fathom. The lode is worth 81. per fathom. The tribute setting is 16 men at 51. per ton, six men at 51. los, 30 men at 61. 10s. per ton for lead ore. The lode is worth 81. per fathom. The tribute setting is 16 men at 51. per ton, six men at 51. In 81 inners a haft, 10s. per ton.

LEAST DABDEN. March 31. In 81 inners a haft, inking under the 118. the

men at 77. 10s. per ton. We are sampling 60 tons of lead ore to-day, for sme on the first pox.

EAST DARREN.—March 31: In Bkinner's shaft, sinking under the 116, the ground is composed of beds of grit, dark clay-slate, and branches of carbonate of lime, rather stiff for progress. In the winze sinking below the 104 the lode is 5 ft. wide, composed of a light clay-slate, and yielding 12 cwts. of ore per fathom; opening tribute ground. In the stope over the 92, 150 fms. east of Taylor's shaft, the lode is small, producing on an average from 5 to 8 cwts. of ore per fathom, but we look forward for an improvement in this point. Our machinery is in good working order.

working order.
EAST WHEAL BASSET.—Rich. Pryor, E. Adams, March 31: No change has taken place worthy of notice in any of our underground operations during the

taken place worthy of notice in any of our underground operations during the past week.

EAST WHEAL GRENVILLE.—E. Hosking, Wm. Bennetts, March 27: Setting Report: To drive the 130, west of engine-shaft, by six men, at 40. per fathom; the is 12 in. wide, and worth 61. per fathom; there is still a hard elvan in this end. To drive the 130 cross-cut, north of engine lode, by two men and one boy, at 71. 10s. per fathom. To drive the 110 cross-cut, south of engine lode, by four men, at 61. per fathom; the ground is letting out more water, which we consider a favourable indication. To drive the 110, east of cross-course, by four men, at 62. per fathom; the lode is 20 in. wide, and worth 51. per fathom. To stope above the 110 east, by four men, at 32. per fathom; the lode is worth 67. per fathom. To stope below the 90 east, by four men, at 33. per fathom; the lode is worth 67. per fathom. We have also set nine pitches, to 17 men, at an average tribute of 12s. 4d. in 11., the tributers to be paid at the rate of 507, per ton for black tin.

EAST WHEAL GENVILLE.—E. Hosking, W. Bennetts, April 1: Since our setting we have put two men to drive the 120 east of engine-shaft, where the lode is 2 ft. wide, worth 57. per fathom; driving at 44. per fathom. There is no change in any other part.

isho set nine pitches, to 17 men, at an average tribute of 12s. 4d. in 11., the tributers to pe pair at the rate of 50s, per ton for black tin.

EAST WHEAL GRENYLLEE—E. Hosking, W. Bennetts, April 1: Since our setting we have put two men to drive the 12e act of ungine-shaft, where the lode in any other part.

FRANK MILLS—J. Nicholls, March 50: The ground in the 72 morth is getting caster for driving, and very congenial for lead, and as the water is issuing freely from the end I think we are getting nearer the long run of productive ground worked on in the shallow levels, and as there is no level in this direction below the form of the shallow levels, and as there is no level in this direction below the shortly. The \$8, south of engine-shaft, continues to open productive ground; the lode in the end is now worth from 6 to 8 cwts. of lead per fathom. The stope in back of this level is producing 8 cwts. of lead per fathom. The ground in the 11st that is getting more songenial, and we look forward to an improvement shortly, and have in specific producing the shortly. The \$8, south of engine shaft, continues to open productive ground; the lode in the 13st that is getting more songenial, and we look forward to an improvement shortly, and have a shortly and the shortly and the shortly and the shortly in the shortly and the shortly in the shortly in the shortly in the shortly in the shortly shortly in the shortly shortly in the sho

the cross-course, from which we have now started to drive; the ground is of a good character, and I hope that something correspondingly good will soon be found in the lode, on getting away from the disturbing influence of the cross-course. We are stoping none of the ore ground, as our object is not so much to extract ore as to find and lay it open for extraction when we are prepared to dispose of it commercially.

We are stoping none of the ore ground, as our object is not so much to extract ore as to find and lay it open for extraction when we are prepared to dispose of it commercially.

LOVELL (THE).—J. Prisk, April 2: After my appointment as manager to this mine I embrace the earlist opportunity of reporting thereon, and giving particulars of this month's settings. The engine-shaft is sunk to the 40, on a lode from 12 to 15 ft. wide, worth 20. per fathom for the length of the shaft for the last 10 fnm; sinking; in this level the north side of the shaft is close to the boundary. The lode in the bottom of the shaft is 14 ft. wide, and by carrying down the north side perpendicularly I find we can sink below the 40 several fathoms, and seeing that the lode is not underly so fast, we can by carrying a little of the south side I think to open out a short level from the present shaft; the sinking here is set to six men, at 281, per fathom, but it will take a week or 10 days to square down the shaft before it can be resumed. The 40 is driven east of the shaft about 12 fathoms, the whole of the drivage being through a lode from 12 to 15 ft. wide, worth 80. per fathom on an average; the level is being driven at present bysix men, to be carried 8 ft. high, and as wide as the lode (12 feet), at 181, per fathom. In this width it will produce over 1 ton of tin to the fathom.

The back and bottom of this level is standing whole, and is quite as valuable as the end. The ting ground in the 30 (or level above) did not last east more than 5 fathoms; but at the 40 it is already 12 fathoms long, and the end still continues to be equally good, with every prospect of a con-incance, thus showing the eastern ground to be most valuable. Two fathoms behind the 40 end east, a rise is let to six men, at 200, per fathom, the lode being 14 ft. wide, and worth over 1 ton of tin to the boath part of the lode about 4 fathoms, and home to granite.

The north side of the level being about the boundary line, and shall shortly have the whole width of the

men, at 201. per fathom, there being about 3 fms. to communicate with the sequired for ventilation. The 20 west I have suspended in consequenced which is required for ventilation. The 20 west I have suspended in consequenced with the sequence of the western broaders with the consequence of the sequence of the western broaders south occasionally, for the purpose of ascertaining if all the lode is done and the consequence of the western broaders south occasionally, for the purpose of ascertaining if all the lode is done and the consequence of the mine—being shallow, the tinsteen the consequence of the mine—being shallow, the tinsteen the consequence of the mine—being shallow, the tinsteen the case of the mine can be worked profitably with the present shaft for a constant in stating that can be worked profitably with the present shaft for a constant in the same that the summer be dry I think a small engine should be attached to the present when the summer be dry I think a small engine should be attached to the present with the assumer be dry I think a small engine should be attached to the present with the summer be dry I think a small engine should be attached to the present value.

MELINDUR VALLEY (Lead).—John Kitto, March 29: I have much please main engine-shaft below the level of the white main engine-shaft below the level of the shaft is now getting a little below the level of the white main appearance, and that within the last few days it has been yielding good lead of the west for the shaft is now getting a little below the level of the value, and that the discovery reported in my last in the 14 east still continues a pleased to a very last time we shall be able to let a stope in the roof of this level, from and that the present appearance, we shall be able to raise

inpon the cutting of this lode, as, whether it be rich or poor, it will not in any affect te lode on which our past and present operations are being context way, affect the lode on the Anther Lead Co. and Neville Druce and Co. 25 Gasted. Head ore, at 141. St. per ton, and we are now busily engaged in preparing sugney. In the lode in the 96 continues to open up well; we have new cut into it about 16. The lode in the 96 continues to open up well; we have new cut into it about 16. The lode in the 96 continues to open up well; we have new cut into it about 16. The lode in the bottom of the 30, est of Thomas and the preparing sugney of very warm water. The lode in the 80 has somewhat my proved since one is to look well. The lode in the bottom of the 30, est of Thomas and since the same as well as when last reported on—a splendid lode. All the stopes throughout to look well. The lode in the bottom of the 10, west of Thomas and areasic. All or surface work is in a forward state.

NEW PERSENCKE —Francis Puckey, Charles Merrett, March 29. In the lode at 4t. wide. The north part of the same, for 2 ft. wide, has very much improved a value for tin, now worth 122, per fathom, and looking promising for furning a quality intend. The tendence of the same, for 2 ft. wide, has very much improved a value for tin, now worth 122, per fathom. In No. 1 stope, in back of the 110, east of the shaft, the lode is 3 ft. wide, yielding provement. In the 110 end, east of the shaft, the lode is 3 ft. wide, yielding provement. In the 110 end, east of the shaft, the lode is 3 ft. wide, yielding provement. In No. 1 stope, in back of the 110, east of the shaft, in lode is 4 ft. wide, worth 6.5 per fathom. In No. 2 stope the lode is 3 ft. wide, produced is 3 ft. wide, yielding passing the influence of the cross-course we are appeared in the and copper. Alter passing the influence of the cross-course we have prepared in the 100 east of the shaft, the lode is 3 ft. wide, worth 6.5 per fathom. In No. 3 stope, lead of the shaft, the lode is 4 ft. wid

lead. The water that oozes from the forebreast is more than unuse the period quantity.

NORTH TRESKERBY.—Richard Pryor and Son, March 31: On Saturday last we set the deep adit cross-out to drive north of new shaft, by six men, at 8, per failtom. This end is in the capels of the lode, from which there is still a large stream of water flowing, which has drained the water from the Scorrier Cousds old engine-shaft tully 35 rms, below its former level. Four men are at presentengaged in collaring up this shaft and putting in footway. Communication will soon be made to this part of the mine from the deep adit level, when we shall be able to open on the numerous lodes before referred to, from which large quantities of thin and copper can be returned. We also set two tribute pitches at 12s and 13s. 4d. in 11. for copper.

able to open on the numerous lodes before referred to, from which large quantums of tin and copper can be returned. We also set two tribute pitches at 12s. and 13s. 4d. in 14. for copper.

OLD BOTTLE HILL.—R. Unsworth, March 24: No lode has been taken down in Rowe's shaft this week. In the stopes east and west of Hooper's winze, in the bottom of the 36, the lode is 2½ ft. wide, worth 64. per fathom. In the 35, east of Rowe's shaft, on Buckinghouse lode, the lode is 2½ ft. wide, producing good stons of copper ores, but not enough to value. The tribute pitches are without alteration. I have put two men to clear the adit level on the Oak lode, as I am told there is a good lode of arsenic there.

OLD BOTTLE HILL.—R. Unsworth, March 31: In the 46, east of Rowe's shaft, on Bucking house lode, no lode has been taken down this week. In the stopes, east of Rowe's shaft, in the bottom of the 38, the lode is 7 ft. wide, worth 24, per fathom. In the 36, east of Rowe's shaft, on Bucking-house lode, the lode is 2 ft. wide, producing saving work. We are busy preparing a parcel of copper for sampling.

east of Rowe's shaft, in the bottom of the 36, the lode is 7 It. wide, worm or, ye fathom. In the 36, east of Rowe's shaft, on Bucking-house lode, the lode is 3 ft. wide, producing saving work. We are busy preparing a parcel of copper for sampling.

OLD TINGROFT CONSOLS.—J. Pope, March 31: In the 30, west of Diamond shaft, the lode is 10 in wide, producing average quality tinstone. In the rise in back of the 20, west of Diamond shaft, the lode is 10 in. wide, producing good saving tinstone. In the 10, west of Diamond shaft, the lode is 9 in, wide, producing good tinstone. We have only just out through the cross-course in this level, whereas present the lode is rather smaller than usual, but from the present appearances a larger and better lode may be expected shortly.

OLD TINGROFT CONSOLS.—Telegram, April 2: We have taken down the lode in the 30, west of cross-course—a good lode of tin.

OLD TREBURGETT.—W. Hancock, W. T. Bryant, March 31: Setting Report: The 90 north by six men, the month, at 71. 10s. per fathom; lode 3 ft. wide, composed of white iron, caple, spar, and strong spots of silver-lead; a very promising lode, with a large stream of water flowing from it. In the same level south contract not out; lode 3 ft. wide, composed of white iron, caple, spar, and strong spots of silver-lead; a very promising lode, with a large stream of water flowing from it. In the same level south contract not out; lode 3 ft. wide, composed of white iron, caple, spar, and strong spots of silver-lead; a very promising lode, with a large stream of water flowing from it. In the same level south contract not out; lode 4 ft. wide, worth 12 ft. per fathom. But 10 ft. wide, worth 12 ft. per fathom. We hope soon to report improvements in each of these ends. In the 80 south contract not out; lode 4 ft. wide, worth 12 ft. per fathom. Because of the second of the second

tribute in different parts of the mine, varying from 181. to 181. per ton of No. 1 ore, dressed, and at 81, per ton for No. 2 quality. The filling, landing, and surfaceoutract work, by the same number of men, at about the same price as last time. All our machinery is working pretty well, and we are preparing for another parest of ore as fast as possible.

PARYS MOUNTAIN.—T. Mitchell, March 25: There is no change in any of the bargains since my last, excepting the stopes in the back of the 80, near the cross-course, where the lode is nearly worked away from level to level. On Saturday next, which is our setting day, we propose putting the men to sink a winze in bottom of the intermediate level, near the said cross-course, where the lode is at present worth 2 tons of copper ore per fathom, and likely to improve as we go down; this winze will be in whole ground.

PARYS MOUNTAIN.—T Mitchell, April 1: In cutting ground preparatory to sinking the winze at the intermediate level, we find more copper standing in the north side, which will add to the value of the lode at this point. We hope that is slinking the winze the lode will further improve.

PEDN-AN-DREA UNITED,—W. Tregay, W. Prideaux, J. Pope, March 31: Sump: The water is now down upon the back of the 120, and machinery working well.—Cardozo: In the 100 cast end the lode (north) is worth 30. per fathom. In the 90 westend the lode (north) is worth 80. per fathom. In the 50 west end the lode (north) is worth 180. per fathom. In the 50 west end the lode (north) is worth 180. per fathom. In the 50 west end the lode (north) is worth 200. per fathom. In the 50 west end the lode (north) is worth 200. per fathom. In the 50 west end the lode (north) is worth 200. per fathom. In the 50 west end the lode (north) is worth 200. per fathom. In the 50 west end the lode (north) is worth 200. per fathom. In the 50 west end the lode (north) is worth 200. per fathom. In the 50 west end the lode (north) is worth 200. per fathom. In the 50 west end the lode (north) is worth 200. per

APRIL 3. o report.
PENNERLEY.—
PENNERLEY. their usual progress.
PRINCE OF WA their usual five the part of t ROOKHOPE VA

mes the following results of the collowing res beautiful mix amine into lode of fluorios lode of fluorios flead by ROSEWALL HAPII 1: We have in the 35. The lod and the lode in the promising for irm stream of water, bona has a little 0, west of Ranso deep adit level, w deep adit level, we have a south CONI We have cut the g3 has a very prot the south bounda the lode. The 82 worth 25*l*. per fat has disordered it as disordered looks likely to i worth 71. The deep adit, w SOUTH PRIM

> south Rommen are making it, below the 2 the dressing is b SOUTH TOLK shaft (now 7 ft. and is improvin far sunk contain tallic shaft (now in the contain tallic shaft (now in the contain t ST. AGNES the cross cut, of In the 72, drivinger fathom for gine-shaft. We ek. The me e debris frrm walking shaft, ST. JUST A March 29: Sat work and tribu thaft, has still in the end of t Nos. 1 and 2 w The bottom par 14½ to 15 tons ST. LAWRI TANKERVI

and consider t In the 152, not exceedingly fi We have not y but shall do se but shall do se found product and now dow 23%, per fathed day, to almost a very import just referred to cross-cut, goir ofore seen in blasted to-day thickness of it creding this is There is a lodi in the line of lode and the upon the abo The stopes are ported on. our next sale
TRELEIG
complete the
lede in the 4lode in the 3-TREVARI

the 74, the lo of tin. In t with stones in it to value the north gr TYLLWY
composed of
as last report
being carry
sinking eng
crossing the
the past we
through the
and lower if
all surface.

VAN CO
of sinking,
good progre
to commun
ore in this
lide still pr
standing so
fore, antici
ing shaft is
having set

athom.—Critchley's: In the 30 shaft, sinking below this level, we are making good progress for the number of men wagress. In the 90 rise we are making good progress for the number of men good, but we have not been able to keep up a full pare. No other changes open, and the same of the same of

per fattones. In the 90 rise we have not been able to keep up a full pare. No other changes employed, but we have not been able to keep up a full pare. No other changes employed, but we have not been able to keep the per serious properties. The various bargains throughout the mine are making change calling for remark. The various bargains throughout the mine are making change calling for remark. The various bargains throughout the mine are making change calling for producing lead quite equal to the report last week. PRINCE GRAVES.—J. Gifford, J. Pryor, March 30: The following bargains their sual progress, and producing lead quite equal to the report last week. PRINCE GRAVES.—J. Gifford, J. Pryor, March 30: the following bargains were set on saturday: "To drive the first wide, to see the local state." The state of the producing spots of copper or intermixed, but not to value. The 65 cast to drive by four spots of copper or intermixed, but not to value. The 65 cast to drive by four spots of copper or intermixed, but not to value. The 65 cast to drive by four spots of forms, at 180. Spot faths, with a little arsenical mundic. All the tramming, dilling, and landing to five the, with a little arsenical mundic. All the tramming, dilling, and landing to five the sign of the producing the producing of the producing of

Jack Provided the completed to the same states of you can be a sea and and a provided the control of the state of the provided the provided that the provided the provided that the provided tha

ss-cni
north,
above
oking
n the
opper
n the
south
f ore
n per
see it
tons
e prostons
the
comon of
and
ances
sub-

shaft id at ivan-hich pro-laft: ress. in no vious

The stopes and other points not particularised are yielding ore as when last reported on. We shall decide next week as to the quantity of ore we shall offer at our next sale.

TRELEIGH WOOD.—E. Hosking, W. Goldsworthy, March 31: We expect to complex the cutting down the shaft below the 34 by the end of next week. The lete in the 44, west of engine-shaft, is 5 ft. wide, and worth 8½ per fathom. The lode in the 34, east end and breast of ground, is worth 2½ per fathom. The stopes throughout the mine are looking much the same as last reported.

TREVARACK.—James Pope, March 31: At the engine-shaft, sinking below the 74, the lode is 20 in, wide, composed of capels, mundic, and spar, with stones of tin. In the 74 east the 1½ is 15 in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ is 15 in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ is 15 in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ is 15 in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ is 15 in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ is 15 in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ is 15 in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ is 15 in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ in the 1½ in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ in the 1½ in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ in the 1½ in, with; composed of capels and mundic, with stones of tin. In the 74 east the 1½ in the

worstage at Lucture-then Mine.

Wilson's Condense and the condense of the condense are the condense and the condense are the

FOREIGN MINES.

PORT PHILLIP AND COLONIAL (Gold).—March 30 (Telegram). "Month ending March 24: Yield per ton, 5 dwts., Western Recf, 8 dwts. per ton; Eastern Recf, 12 dwts. per ton.

RICHMOND CONSOLIDATED.—Cablegram from the mine at Eureka, Nevada: "Hall, London—Week's run, 843,000.

SWEETLAND CREEK.—Cablegram received March 23:—Our terms accepted—wash in three weeks.—McLeax.

GOLD RUN.—Telegram from Mr. J. A. Stone:—We have run the tunnel during March 170 ft., distance yet to run to complete tunnel to point of raising up 280 ft.

COLORADO TERRIBLE LODE.—Mr. Henty, March 10: The product of the mine for February was 445 tons of ore of all grades, valued at \$18,825. The 7th level drift has improved, now worth 2 tons per fathom. The 6th level west, and 4th level west, are also improving. The mine foreman, in his weekly report, says that we have in the stope, Nos. 5th and 6th level west, as solid vein more than 16 in. wide.

EBERHARDT AND AURORA.—The directors have received advices, dated March 8: The central incline has been sunk a further 11 fr., making a total dent to 4500 ft. The vine is lookide well.

the purchasers yesterday, and are actively engaged in preparing another lot for sale. The mill wheel and barytes mills are at work, and doing well.

VAUGHAN.—March 29: In the deep adit level east the lode is large, chiefly composed of a light clay-slate and flockan, being soft and unproductive, with a good stream of water issuing from the end, and is letting the water down from the workings at Lletty-evan-hen Mine.

WEST GODOLPHIN.—John Pope, March 27: Caunter Lode: The 60 south is worth 12\(\text{L}\), per fathom; stope in back of ditto 15\(\text{L}\), per fathom. The 60 south is worth 12\(\text{L}\), per fathom; stope in back of ditto 15\(\text{L}\), per fathom. The 60 north is worth 12\(\text{L}\), per fathom; the 40 north is worth 6\(\text{L}\), per fathom. The 50 north is worth 12\(\text{L}\), per fathom; in the 50. In the 40 east it is worth 5\(\text{L}\), per fathom. The 30, 20, 10, and deep adit levels are producing saving work for tin.

WEST MARIA AND FORTESCUE CONSOLS.—Wm. Skewis, March 31: The 104 cast is just the same as when last reported on, only much more water is coming out of the end. In this level west we have commenced to rise against the stope of the end. In this level west we have commenced to rise against the stope of the condition of the 93. The lode in the 83 east is worth 12\(\text{L}\) per fathom for copper.

next month; we have now run 53½ bours in one week, which gives us a fair start. The sluice, even after this short period, looks very well, much dry amalgam being visible at the head boxes.

EBERHARDT AND AURORA.—F. Drake, March 8: Since my last we have had a severe snowstorm, completely blocking up the roads, which accounts for the small amount of or being delivered on the mild during the weik. I was a small an amount of ore assorted. Out of the 232 tons of ore rock hoisted there was out put them on to the road showling snow, which explains why there was so small an amount of ore assorted. Out of the 232 tons of ore rock hoisted there was only 67:13 tons assorted: the balance of the ore is lying in the assorting room unassorted, which I make no mention of in my weekly report, as I render an account for only the ore assorted.—Mine u Drift No. 4, in the 1st level, is looking well. The ore is good, and making north—it has the appearance of connecting with a large body of ore.—Rise: Drift No. 4, in the 2d level, is mow in good ore. When this rise is connected with drift No. 4, in the 1st level, it will greatly aid us in conveying our ore to shaft.—Incline: Looking about the same. The footwall is regular and well-defined: the depth is 73 ft., making is 350 ft. from surface. Drift No. 1, in the 3d level, is 108 ft. in length; we have not struck the wall yet; we are running in a broken mass of quartz, lime, and spar, principally lime; we hope to meet with a change soon. Drift No. 3, in the 3d level, is 100 ft. in length. No change.—Mill: I was eacloulating to start it up to-day, but the condition of the road will admit the hauling of but a small amount of ore. I deem it advisable not to start up until there is a change in the weather.—Water: During the time the mill has been idle I have had the White Pine Waterworks closed down, taking advantage of the water being out of the pipes. I have arranged a small tank to receive the water flowing down the canyon from the thawing of the snow, which by a connection is candicate

still yielding some rich black oxide of copper, with a good appearance. We have no other change calling for remark throughout the mine. Friday being setting-day, a full report shall be sent.

PERTARENA.—Thormas Roberts, March 24: District of Pestarena: In the new incline we have removed the penthouse down to back of the 56, and are now in a fair way of sinking the shalt under this level. The lode in the 33 end, of sing north, is small. In the 56 early in the state of the 15 early of the state of the 15 early in the 15 ea

rect, and 4th level west, are also improving. The mine foreman, in his weekly report, says that we have in the stope, Nos. 6th and 6th level west, a solid vein more than 16 in, wide.

EBERHARDT AND AURORA.—The directors have received advices dated March 5: The central incline has been sunk a further 11 ft., making a total depth of 300 ft. The mine is looking well. The ore is good, and masking north towards the Ward Beecher ground, and has the appearance of connecting with a ting the mill, but well do so immediately a change taker place in the weather.

MINERAL HILL.—Mr. Oakes, the superintendent at the mines, seven of the company's mines—The Live Yankee, Giant, Upper Giant, Champion, and the ferror of the company's mines—The Live Yankee, Giant, Upper Giant, Champion, and the ferror of the company's mines—The Live Yankee, Giant, Upper Giant, Champion, and the love broken, to find the mines with stores at cost price, and the lesses to the discharged miners seven of the company's mines—The Live Yankee, Giant, Upper Giant, Champion, and the lesses of the company's mines—The Live Yankee, Giant, Upper Giant, Champion, and the lesses of the company is mines—The Live Yankee, Giant, Upper Giant, Champion, and the lesses of the company is mines—The Live Yankee, Giant, Upper Giant, Champion, and the lesses of the company of the company of the control of the company of the control of the co

this shaft, the lode is small and poor, and the ground very hard. The lode in the 120, east of Buenos Amigos, produces occasional stones of ore. The 120, east of Morris's engine-shaft, has holed to Berrano's winze, and a great improvement has taken place, the present yield being 2 tons per fathom. The 110, east of Cox's shaft, having come in contact with a vugh, the lode is not so good as it was, but shaft, having come in contact with a vugh, the lode is not so good as it was, but still yields 1 ton per fathom. In the 100, east of San Miguel's, the lode is divided into several parts, each bearing lead; the end is worth 1 ton per fathom. The lode in the 35, west of Samfield's, produces occasional stones of ore. The 45, west of Palgrave's engine shaft, is in a regular lode, spotted with lead. The 55, west of Palgrave's engine shaft, is in a regular lode, spotted with lead. The 55, west of Palgrave's engine shaft, is in a regular lode, spotted with lead. The 55, west of this shaft, has again improved, and the lode now produces 1 ton per fathom, and looks promising. The same level east is not so rich as it was, the lode having become vughty, but it still yields 3 tons per fathom. In the 45, east of Palgrave's, the lode is small and poor, and the ground hard for driving through. The lode in Orlbe's winze, sinking below the 55, is compact and solid, yielding 5 tons per fam.

ALAMILLOS.—March 24: The 30 fathom level, driving west of San Pranisco shaft, is in a well-defined lode, yielding 1½ ton of lead ore per fathom. The lode in the 50, west of this shaft, has communicated with the level west from Julian's winze. The lode in the 55, west of the same shaft, is unproductive. The lode in the 56, east of The lode is small and poor. The 50, east of 8 an Victor long in shaft, is passing through a rich lode, worth 4 tons per fam. The lode in the 50, east of this shaft, there are good stones of ore, but not sufficient to value. In the 50, east of this shaft, there are good stones of ore in the bottom of the level. The lode i

TANKERVILLE.—Last week we stated that the report of that date was the best ever received from the mine, and we are now able to fully confirm this. The local manager writes that "at no period of its history were so great prospects visible as now." The lode in the 152 fm. level (17 fms. from shaft) is increased in value from 120/. to 150/. per fathom, and the whole width not yet seen. The winze below the 140 (20 fms. from shaft) is increased from 200/. to 225/. per fathom. In the 130 cross-cut they are into the same lode, and as far as seen it is solid lead ore. It is expected that the next monthly sampling will be at least 150 tons, and it is probable that good dividends will soon be resumed.

CHAPEL HOUSE COLLIERY.—The output for last month and the profits were well maintained, and it is estimated that they will be about the average this month. The new shaft is down 61 yards, and is sinking rapidly and satisfactorily. We believe brickmaking is to begin next week. All the new wagons ordered have now been delivered, so that the company is now well supplied with rolling stock. Boliers for the new engines will be ready in a short time, and everything is going on well. The general meeting will be held shortly, and it is rumoured that the balance-sheet will well satisfy the shareholders, as it is expected to show a large surplus of profit, after allowing for the 15 per cent. dividends, which have been regularly paid since the company started.

have been regularly paid since the company started.

The ANGLO-AMERICAN TELEGRAPH COMPANY having issued the report and accounts for 1874, those in favour of the subdivision of the stock have issued a circular, in which it is stated that the extraordinary meeting has been called by requisition, for the special purpose of considering the proposal for giving the proprietors the option of dividing their stock into preferred and deferred stocks, and they ask proxise to support their views, adding that the movement in favour of the optional division of the stock has already been numerously and influentially supported, and that the question is one which essentially belongs to each proprietor individually, and quite apart from the general administration of the company. They say that if they had not before them the manifest advantages already obtained by railway proprietors in agreeing to the optional division of their stocks, as witness the most recent instance of the Brighton Railway Company, tio success of the Globe Telegraph and Trust Company—the preferred capital of which is worth equal to 1000, stock, and the deferred 61, 5s., or average of 801, 15s.—would more than justify them in their desire to obtain a corresponding privilege as regards their property in the Anglo-American Telegraph

ANTED,—A CHEMIST (ANALYTICAL), who has had considerable experience in the ANALYSIS of IRONS, IRON ORES, &c., lise in the MANUFACTURE of MANURES, and the EXTRACTION of COPPER by the WET WAY, wishes a RE-ENGACEMENT.

Address, "C. W. W.," MINING JOURNAL Office, 28, Fleet-street, E.C.

SECRETARYSHIP OR AGENCY, FOR A COMPANY OR FIRM, WANTED by a Gentleman resident in London, who has had exten-FIRM, WANTED by a Gentleman resident in London, who ha MINING EXPERIENCE. Idress, "F. G. S.," MINING JOURNAL Office, 26, Fleet-street, E.C.

GOLD IN WALES.

NE or TWO GENTLEMEN are willing to FIND the CAPITAL to EXPLORE a PROMISING SETT.

Particulars can be sent to "Senex," care of Mr. Blair, newspaper agent, Royal Exchange, E.C.

TO MINING COMPANIES AN EXPERIENCED MINING ENGINEER, who has been for the last seven years occupied in SPAIN, is desirous of OBTAINING the MANAGEMENT of MINES in that country, or REPRESENTING FIRMS wishing to PURCHASE MINERALS, or NEGOCIATE for MINES. He speaks German, Spanish, and French, and can give the highest references as to his ability and integrity. Wishing Spanish, and French, and was German, Spanish, and French, and integrity, Address, Messrs. CHARLES HOPPE and Co., Santander. Address, Messrs. CHARLES HoppE and Co., Santander. Before fully engaging himself, he is at liberty to make any Surveys and Reports Before fully engaging himself, he is at liberty to make any Surveys and Reports.

MMENSE GOLD FIELD IN THE CARINTHIAN ALPS. Vast quantities of ore ready raised in the old burrows, capable of producing by simple crushing and washing a Gold Slick worth £50 to £100 per ton.

PARTIES desirous of TREATING for the PROPERTY, or for FORMING a SYNDICATE to FLOAT a COMPANY, please address for further particulars, "Felix Austria," MINING JOURNAL Office, 26, Fleet-street, London.

WAN MINING JOURNAL CHECK, THE COLOR OF THE C

By Order, 14A, Austinfriars, London, 1st April, 1875.

CESENA SULPHUR COMPANY

NOTICE OF DIVIDEND.

At an ORDINARY GENERAL MEETING of the shareholders HELD at the Cannon-street Hotel, THURSDAY, March 25, it was resolved that a DIVIDEND of FIVE PER CENT. be DECLARED for the year 1874 upon the "A" shares of the company, payable on the 18th April, 1875.

The Transfer-books of the company are, therefore, closed until that date for the payment of the same.

By order, R. LARCHIN, Secretary.

84, King William-street, E.C., March 31, 1875.

NOUVELLE MONTAGNE COMPANY
(BELGIUM).
The ANNUAL GENERAL MEETING of the shareholders will be HELD at the Hotel d'Angleterre, Liege, on the 15th April next, at One o'clock P.M.

THE LINARES LEAD MINING COMPANY
(LIMITED).

Notice is hereby given that the HALF-YEARLY GENERAL MEETING of
the shareholders in this company will be HELD at this office, on THURSDAY,
the 15th inst., at One o'clook P.N., to receive the accounts, balance-sheet, and reports of the directors, auditors, superintendent, and minnig agents for the half-year
ending 31st December, 1874; and for general business, as authorised by the Deed
of Settlement.

By order of the Board.

H. SWAFFIELD, Secretary.

5, Queen-street-place, Upper Thames-street, London, 7th April, 1874.

Notice is hereby given, that the HALF-YEARLY GENERAL MEETING of the shareholders in this company will be HELD at this office, on THURSDAY, the list hast, at a quarter to Two o'clock, F.M., to receive the accounts, balancesheet, with reports from the directors, auditors, superintendent, and mining agents for the half-year ending 31st December, 1874, and for general business, as authorised by the Deed of Settlement.

By order of the Board,

H. SWAFFIELD, Secretary.

No. 5, Queen-street-place, Upper Thames-street, London, April 7, 1875.

THE FORTUNA COMPANY

(LIMITED).

Notice is hereby given that the HALF-YEARLY GENERAL MEETING of the shareholders in this company will be HELD at this office, on THURBDAY, the 15 inst., at Quarter-past Two o'clock P.M., to receive, the accounts, balanceshees, and reports of the directors, auditors, superintendent, and mining agents for the half-year ending 31st December, 1874; and for general business, as authorised by the Deed of Settlement.

By order of the Board,

H. SWAFFIELD, Secretary.

¿ Queen street-place, Upper Thames-street, London, 7th April, 1878.

With this week's Journal a SUPPLEMENTAL SHEET is given, which contains—Explosives used in Blasting (O. Webb); Coal-Cutting by Machinery (A. Thomas); Colliery Working—Balanced Hoisting Rope; An Olive Branch to South Wales; Rock Drills—Yorkshire v. Prussia (H. Waddington); Boring Machinery; Successful Copper Mines—the Cape, &c.; Compressed Air-Engines for Tramways; Doubtful Minerals, Double Nomenclature, &c.; A Hard-Boiled Easter Egg; Mining. Theoretical and Practical (R. Knapp); New Works at New Consols (W. H. Lucas); Present Aspect of Cornish Mining; Technical Education in Relation to Mining (J. Roberts); Extracting Gold from Auriferous Pyrites (C. J. Harvey, J. Walker); Treatment of Poor Copper Ores; Successful and Unsuccessful Mining (T. H. Allen); German v. Cornish Agents; Don Pedro Mining Company.—Foreign Mining and Metallurgy—Dynamite—Patent Matters, &c.—Meetings of the Bolivar Railway, Javali, Newfoundland, Great Wheal Vor, West Jewell, Rossa Grande, and the St. Stephen Roe Diffusive Daylight Reflector Companies.

The Mining Market: Prices of Metals, Ores, &c.

METAL MARKET-LONDON, APRIL 2, 1875.

COPPER. £ s. d. £ s. d.	IRON. per ton. & s. d. & s. d.
Best selectedp. ton 89 0 0	Bars Welsh, in London 8 15 0
Tough cake and tile. 87 0 0	Do., to arrive 8 12 6-8 15 0
Sheathing & sheets 93 0 0	Nail rods 9 5 0
Bolts 95 0 0- 96 0 0	Staffd, in London10 0 0
Bottoms 95 0 0- 96 0 0	Bars ,, ditto10 0 0-11 0 0
Old 80 0 0- 83 0 0	Hoops,, ditto11 0 0-12 0 0
Australian, Wallaroo 90 0 0	Bars at works 9 0 0-11 0 0
ditto other brands 88 0 0-89 0 0	Hoops,, ditto10 0 0-11 10 0
Chili bars, g.o.b 80 0 0-81 10 0	Sheets, single, & plates 12 0 0-12 10 0
Wireper lb. 0 1 0	Pig No. 1, in Wales 5 0 0- 6 10 0
Tubes 0 1 01/4	Refined metal, ditto 7 0 0-8 0 0
BRASS. per lb.	Bars, common, ditto 7 15 0-8 0 0
Sheets 9½d10¼d.	Do morehant fob
Wire 91/4	in Tyne or Tees 8 0 0-8 10 0
Tubes	Do., railway, in Wales 6 15 0-7 0 0
	Do., Swed. in London.16 0 0-17 5 0
Yellow metal sheathing 71/d81/d.	To arrive
Sheets 7½d7½d.	Pig. No. 1, in Clyde 3 12 6-4 17 6
SPELTER. per ton.	Do., f.o.b. Tyne or Tees 4 0 0-4 5 0
Foreign on the spot 23 7 6-	Do., Nos.3,4, f.o.b., do. 3 10 0-4 0 0
to arrive 23 10 0	Railway chairs 5 0 0- 5 5 0
ZINC.	, spikes12 10 0-14 0 0
In sheets	Indian Charcoal Pigs,
	in London, p. ton 8 0 0-10 0 0
TIN.	
English blocks 2 94 0 0-	Swed., in kegs (rolled) — — — — — — — — — — — — — — — — — — —
Do., bars (in bris.) 95 0 0	Bwed., in kegs (rolled)
Do., refined 96 0 0	
Banca 95 0 0	Ditto, in faggots20 10 0-
Straits 86 10 0- 87 10 0	English, spring19 0 0-24 0 0
Australian 85 0 0-86 0 0	LEAD. per ton.
TIN-PLATES.* per box.	English Pig, com 21 0 0
Charcoal, 1st qua. † £1 18 0	Ditto, L.B21 0 0
IX Do., 1st quality 2 4 0	Ditto, W.B22 0 0
IC Do., 2d quality 1 16 0- 1 17 0	Ditto, sheet22 10 0
IX Do., 2d quality 2 2 0-2 3 0	Ditto, red lead24 0 0
IC Coke 1 6 6-1 7 6	Ditto, white30 0 0-32 0 0
IX Ditto 1 12 6- 1 13 6	Ditto, patent shot26 0 0
Canada plates, p. ton 18 10 0-19 0 0	Spanish20 10 0-20 15 0
Ditto, at works 18 0 0-18 10 0	QUICKSILVER (p. bot.) 15 0 0
* At the works, 1s. to 1s. 6d. per ton	
Terne-plates 2s. per box below	
part part bar bell now nello	v distributes of similar brand.

"At the works, 1s. to 1s. 6d. per ton less. Tarne-plates 2s. per box below tin-plates of similar brand.

REMARKS.—The week now closing has been broken in consequence of the Easter holidays. Monday was altogether a "dies non." On Tuesday attendance in the City was small, and it was not until Wednesday that the current of business had returned to its old channel. The result of the week's transactions is to show that the metal market is still very quiet, and that no new feature has transpired to impart any change in the condition of affairs. Prices generally have been barely maintained, and in some instances quotations have fallen since the beginning of the week. The prevailing dulness is, without doubt, in some measure intensified in consequence of the failures which have been reported within the last week or two; but, until trade generally shall show symptoms of steady revival, and more particularly the iron and coal trades, which may be looked upon as the chief support of the prosperity of the country, there can be no change of importance for the better. The money market—although no alteration in the rate of discount has been published—is not altogether in a satisfactory condition. The reserve is low, and the possibility of sudden fluctuations naturally tends to induce considerable caution, more especially at a time when the opposity policy fails to hold out any great temptations.

COPPER.—Just before the holidays the market was very quiet, and although there had not been any important change in quotations, yet the tendency appeared to be towards increasing weakness. For named brands, Chili bars, 794. 15s. cash had been accepted, and g.o.b. were done at 80t., with three months' prompt; but upon the opening of business this week there appeared rather a better feeling, and on Wednesday upwards of 200 tons Chili bars changed hands, best brands realising 81t. 10s. cash, g.o.b. 80t, same terms, and 125 tons with three months' prompt, was also sold at 80t., and and the moment there is an improvement noted; 80t. 10s.

with a fair-amount of furnace material, at 18s. 3d. per unit for ore, and there is now hardly any ore in the country.

IRON.—The Easter holidays in the South Wales district have not borne much of that character. The condition of actual want into which so many are plunged, owing to the protracted lock-out, and the gloomy prospects which overhang the future, are of so serious a nature that holiday rejoicing have been out of the question. The winter quarter is past, and the ports which have been closed against shipping are now opening, and thus the restriction against the spring trade is removed, but it does not appear that there is any spring trade to come forward. There is no demand to take advantage of the opening of the waters, and no enquiry resulting in contracts to put the works in operation, or even to keep the machinery going where it is now in motion. The complete stagnation of the iron trade has so long as quotations continue as at present buyers will not come forward, except just to supply immediate requirements. One of the principal causes of the existing dulness is the utter collapse of the American trade. The sources of supply on the other side of the Atlantic appear sufficient to meet the very limited demand which we understand characterises the American market as well as our own, and when trade reviews on this side, it probably will do likewise on that, but whether South Wales will again reap the benefit of such reaction remains to be seen. The continental demand is in like manner very limited; in fact, the dulness experienced here is universal, and from this fact some small measure of hope and expectation may be gathered, but the turn in tide of affairs does not seem likely to occur until prices have yet fallen below the level at which they now stand, and this cannot be the case unless a lower rate of wages is submitted to. It is a matter of very general opinion that many of the furnaces move of placing furnaces in blast which may soon be standing idle again.

The condition of the fron trade in t

presented for the acceptance of the trade. There is no changed in the head from the market for Scotch pig-iron opened firm on Tuesday, and business was transacted from 72s. to 72s. 3d.; at the close there were buyers at 71s. 9d. On Wednesday, although actual business was limited, the tendency was towards firmness; transactions were reported at 72s., and at the close sellers were very generally asking higher prices. Yesterday there was a reaction. No business was reported, and at the close quotations were nominally 71s. 3d. To-day the market is flat, and quotations have receded to 70s. 6d., with buyers at 70s. 3d.

SHIPMENTS.

Shipments.	
Week ending March 28, 1874. Tons Week ending March 27, 1875.	10,8
Decrease	2

QUICKSILVER.—The market has declined, and quotations now rule at 15t, per flask.

TIN.—At the commencement of the week the market was very firm at 90t, for Straits, but the amount of business transacted was limited. The published statistics showed that the deliveries of Banca and Billiton tin in Holland for the month of March was 6583 slabs in excess of the deliveries for the previous month, and stocks had increased by 9852 slabs, and there was a decrease in the quantity of tin affect to the extent of 5000 slabs, so that, statistically, the position of the market was not very much altered. On Wednesday the Dutch trading company's sale took place, and 22,800 slabs of Banea were offered, and realised a price

equal to about 911. 10s., laid down in London, and 8000 slabs of Billites is a manner realised the equivalent of 891. 10s. These prices, as compared was a contained in January last, showed a decline of 71. 10s. The result of the amount of the second of t

COPPER—(Messrs. Harrington, Horan, and Co., Liverpool).—Arivals here during the fortnight of West Coast, S. A. produce—Eta, from Vals here during the fortnight of West Coast, S. A. produce—Eta, from Valparaiso, with 319 tons ores; Britannia, from Valparaiso, with 539 tons bars, 4810 tons ingots; Cordillera, from Valparaiso, with 735 tons bars; West Colon, with 220 tons bars. 48 Swansea—Golconda, from Guayacan, with 160 tons are; San Fernando, from Chanaral, with 550 tons regulus; Foxbound; Foxbound; Foxbound; Foxbound and 90 tons bars; Vencedera, from Carrizal, with 670 tons bars. Stocks of copped (Chilian and Bolivian) in first and second hands, likely to be available, we estimated the control of the

Messrs. Pixley and Abell—Gold; There is at present no export demand for gold, and the limited amounts arriving will be disposed of to the had of England. Only about \$5,000. has come to hand since our last. The P. and o. steamer from Australia, due about 19th inst., brings 184,000. in bargold, and 220,000. sovereigns. Some Japanese gold coin is shortly expected. The Kysins, from the Cape, has arrived with 6000. sovereigns have been withdraws been taken to the Bank since our last, and 100,000. sovereigns have been withdraws for Buenos Ayres.—SILVER: Since our last circular there has been more demand for bar silver, owing to higher quotation of exchange from India. Sales have been effected at 5736d. per oz. standard, which is the quotation to day. About 25,000, has arrived from New York, and about 30,000. from the West Indies. The P. and O. steamer Mirzapore takes 48,000. this day to Bombay.

CHEMICALS, MINERALS, AND METALS—(Messrs. J. Berger Spene CHEMICALS, MINERALS, AND METALS—(Messrs. J. Berger Spence and Co.)—Soda: Cream caustic, 60 per cent., 13'. to 13'. 5s.; white, 60 per cent. 14'.; soda ash, 2d. to 2'\(\frac{1}{2}\)'', soda crystals, 5'. to 5'. 5s.; bl-carbonate, 13'. 18. to 14'.; sait cake, 2d. 17s. 6d. to 2'.; Glauber saits, 2d. 15s.—Bleaching Porder: At 9'.—Alum: 7'l. 10s. for loose lump; ground, 2d. 5s.—Witrate of Soda: At 12s. 5d.—Ammonia: Sulphate, white and grey, 18'. 2s. ed. to 18'. 15s. carbonate, 13'd. 1s. muriate, 30'. to 32'. 10s.; sal ammoniac, firsts, 45s.; seconds, 44s.—Potah: Muriates, 80 per cent., at 6d. 10s. to 6d. 12s. 6d., L.O.: Prussiate, red, 2s. 3d.; yellow, 1s. 13'd.; chlorate, 105'd.; bl-chrome, 64'd.—Iron Saits: Green and rust copperas, 80s. loose; in casks or barrels, 65s.—Copper Saits: Sulphate of copper, 25d. 10s.—Lithange: Best flake, 23'. 10s.—Sugar of Lead: Brown, 28'.—Saitpeter Foreign, 22s. to 22s. 6d.; refined, 28s. to 28s. 6d.—Acid: Tartaric, English, at 1s. 63'.d.; foreign, 1s. 63'.d.; sulphuric, 3s. 10s.—Lithange: Best fined, 28s. to 28s. 6d.—Acid: Tartaric, English, at 1s. 63'.d.; foreign, 1s. 63'.d.; sulphuric, 3s. 10s.—Magnesis: Epsom saits, 3s. 17s. 6d.; refined, 2s. be 1s.—Espartio: Oran, fait average quality, 7s. pet ton; best, 8'. per ton.—Brimstone: Best thirds, 7'. 5s.—Phosphate of Alugias, 3s. to 3d. 10s. pet ton.—Pyrites: Spanish cupreous, 7d.; non-cupreous, 9d. 7 wpbaclay: 18s. f.o.b. Cornwall; best quality, 28s.—Phosphates: High strenge-grap to 85 per cent., 1s. 4d. to 1s. 5d. per unit; 25t of per cent., 3s. 3d.; ordinary, 60 per cent., 1s. 4t. to 1s. 5d. per unit; 25t of per cent., 2s. d.; puddling, 2s. to 27s.; colitic, 8s. to 10s.; Algerian, 50 to 5 per cent., 2s. d.; U. K.—Iron: "Ayresome" Yorkshire pig-iron, delivery January to March: No. 3, 60s.: No. 4 (foundry), 57s. 6d., net cash, or 1s. extra four months bills: Scotch pig warmsh, 71s. 9d. to 72s. Staffordshire bars, 9f. 10s.—Copper: Chili bars, 80f. to 8lf.—Tin: English ingot, 96f. to 8d.—Tin: English ingot, 96f. to 8d.—Tin: English in

The Mining Share Market has been affected since our last by the Easter holidays, the absence of many of the dealers, and the settlement of a more than usually heavy fortnightly account.

The sale of Banca tin has disappointed expectations; the price realised is equal in London to 91t. per ton, as against 96t. 5s. at the last sale, in January. The quantity sold was 22,800 slabs, equal to about 713 tons. Straits tin, since the sale, has declined in price, and the market for tin shares leaves off much weaker.

At the sale of copper ores in Cornwall, on Thursday, 1655 tons realised 8349t. 15s., or an average of 5t. 1s. per ton. The average produce was 7½ per cent.; standard, 107t. 11s.

The mines dealt in during the week have included Tankerville, Wheal Crebor, Pennerley, Parys Mountain, East Lovell, West Tankerville, Hingston Down, Van, Van Consols, West Frances, Cam Brea, Wheal Peevor, Penstruthal, Prince of Wales, Bog, Great Laxey, and others.

Brea, Wheal Peever, Penstruthal, Prince of Wales, Bog, Great Laxey, and others.

Carn Brea have declined to 45, 47; Dolcoath, 45 to 47; Tincroft, 22 to 23; Cook's Kitchen, 8 to 8½; East Lovell have advanced to 7½, 8; Great Laxey have risen to 12, 13; West Tolgus, 45 to 47; Tankerville have advanced to 11½, 12; the winze below the 140 has improved to 25%, per fathom. The 152 west has improved to 150%, per fathom. The stope in the roof of the 140 is worth 100%. The 130 cross-cut, referred to in last week's report, has justentered solid lead. The 130, behind workings, in a line with Watson's shaft, is worth 5 tons of lead ore per fathom. West Chiverton have advanced to 5½, 5½; the lode in the 140 west, we understand, has improved to 35%, per fathom,

Roman Gravels, 12 to 12½; new shaft will be holed to the 80 fm. level in May next. West Tankerville, 20s. to 25s; the sales of lead ores were 20 tons, and 20 tons of blende, realised 360%. 10s. Wheal Crebor have been largely dealt in, and leave off 1½ to 2, an advance and the contract of the con

Crebor have been largely dealt in, and leave off 1½ to 2, an advance of cent. per cent. The mine is looking better in the 48 east, and the accounts for the meeting next week, we understand, will show a good profit and a considerable between the standard of the standard of the considerable between the standard of the stand accounts for the meeting next week, we understand, will show a good profit, and a considerable balance in hand. Prince of Wales, 9s. to 11s.; Glaisdale Whinstone, 20s. to 22s. 6d. Wheal Jane, 4 to 4½; at the meeting in Cornwall the accounts showed a profit on three months' working of 420l., and a credit balance of 503l. The costs were charged up to January. The mine is reported as looking wall, and only wants, like many others, a better price for tin. The tin sales credited in the accounts—59 tons—realised 3121l. Bog, 10s. to 12s. 6d.; Devon Great Consols, 1½ to 2; East Van, 1½ to 1½; Hingston Down, ½ to 1½; Ladywell, 2½ to 3½; Marke Valley, 17s. 6d. to 20s.; Parys Mountain, 12s. to 14s.; Pennerley, 1½ to 2.

St. Aubyn United accounts show a loss on four months' working of 758l., and a call of 30s. per share was made. Wheal Kitty (8t. Agnes), ½½ to 5. At the meeting there was a loss shown on the three months' working of 178l., and a debit balance of 12l; the sales were about 50 tons of tin. Wheal Uny, 2½ to 3; at the meeting here a loss on the quarter was shown of 286l., and a debit balance of 774l., but no call was made. Penstruthal, 10s. 6d. to 12s. 6d.; Captain Teague writes that the lode in shaft and bottom level is improving in value. Wheal Grenville, 4½ to 5; the lode in the shaft is worth 30l. per fathom, sinking at 37l. 10s. The 150 east set to four men,

in value. Wheal Grenville, 4½ to 5; the lode in the shaft is worth 30% per fathom, sinking at 37% 10s. The 150 east set to four men, at 12% per fathom; lode worth 20%, per fathom. The 150 west also to four men, at 12% per fathom, worth 14% per fathom. Van, 92 to

APRIL 3, 4; the directors onsols, 2½ to 25; sproducing goo
eing sunk with 12 fms. further si
s said to be op
next will be 50 t
25. 6d. to 7s. 6d.;
Almada and Ti
1½; Chontales, 7
Emma, 1 to 1½;
16s. to 18s. Javi
to 18s. 6d. New
del Rey, 297½ to

The Market fo week has been fi in lead and copp with an upward claration of a c mines have also depression the m than for some ti Gold quartz n during the past Company's mine crushing gold qu ton, There has after advancing pected next we it seems proba gold mining at ases of the en operated The Foreign and an advance 9-16ths to 11-1 to 1; London Californian Mi

the advices are ceived yesterd past month as respectively y vali, \$ to 1; to favourable effectively y favourable energy, if fully nectations of In silver mi hardt and Aur ecorded, and hich are con has been sunk mine is report towards the necting with the mill had ablegram re for the seasor 288 000. 560 ft., tha sthrough, an winze sunk at shaft, thus n As the cross-proved the w be 70 ft., and 90 ft. forwar an be forme lode. The amount to 21; the nego have improved in the deep of distance of l mid to be la

any point ne 11 to 11; th and the ven

his agreeme Emma shar

intil furthe

opposed on stated, at le charged m

siderably r cost to the were brok enquiries a has been r will not, i original co original st bar, it is s Hydrau are doing tending i lengthen main stea progressi 11 to 14; 21 to 24;

> that the terfering Creek, 2 West cla change i pay a di Copper, to 41; E In Le Gravels for, and neglecte

making original through and the driven of the west is alterati

APRIL 3. Total APRIL 3. APRIL

The Market for Mine Shares on the Stock Exchange during the week has been fairly active, a good business having been transacted in lead and copper descriptions. Van shares have remained steady, in lead and copper description, which has been stimulated by the declaration of a quarterly dividend of 12s, per share. Other home mines have also considerably fluctuated, but any tendency towards depression has been checked by investment purchases. The general aspect of the market may be regarded as much more favourable of the come time bast.

depression the market may be regarded as much more favourable than for some time past.

Gold quartz mining in Wales has assumed an important aspect during the past month, in consequence of the operations at the Gold company's mine at Dolgelly, where 20 heads of stamps are employed crushing gold quartz, which, it is alleged, will yield \(\frac{1}{2}\) to 1 oz. per ton, There has been considerable excitement in the shares, which, after advancing to \(\frac{1}{2}\), \(\frac{1}{2}\), have receded to \(\frac{1}{2}\), \(\frac{1}{2}\). The "clean-up" is expected next week, and if the result is as satisfactory as anticipated, it seems probable that as much speculation will be attracted to gold mining at home as abroad. Influential parties have secured eases of the Clogau Mine, and a considerable body of quartz has been operated on, which has resulted in a most satisfactory gold produce.

The Foreign Gold Quartz Mines have been more actively dealt in,

been operated on, which has resulted in a most satisfactory gold produce.

The Foreign Gold Quartz Mines have been more actively dealt in, and an advance has been established in the price of St. John del Rey and Port Phillip. St. John del Rey close 300 to 305. Don Pedro, and Port Phillip. St. John del Rey close 300 to 305. Don Pedro, ol-6ths to 11-16the; Sierra Buttes, 1½ to 2½; Plumas Eureka, 1½ to 1½; London and California, ½ to ½; Independence, 2½ to 3. The Californian Mines have attracted less attention than usual, although the advices are satisfactory. Port Phillip, ½ to ½; a telegram recived yesterday (Friday) morning, reports the clean-up for the past month as averaging 5 dwts. per ton, whilst two of the reefs respectively yield 8 and 12 dwts. per ton, Chontales, ¾ to ½; Jarali, ¼ to 1; the report, which is considered satisfactory, has had a favourable effect on the market, and it is considered that this property, if fully and energetically developed, may yet realise the expectations of the original promoters.

In silver mines there has been much less doing, although in Eberhardt and Aurora shares some considerable transactions have been recorded, and close 4½ to 4½, with a firm appearance; the advices, which are considered satisfactory, state that that the central incline has been sunk a further 11 ft., making a total depth of 360 ft. The mine is reported to be looking well, the ore good, and making north, towards the Ward Beecher ground, having the appearance of connecting with a large body of ore. Owing to a severe snowstorm, the mill had not been re-started. Richmond Consolidated, 7 to 7½; cablegram received: "Week's run, §43,000. The make of bullion for the season is \$1,991,000. The make since Sept. 1 amounts to \$1,288,000." We are informed that the main shaft is timbered down to 560 ft., that the drift started from it at the 500 to cut the main lode is through, and that a further depth of 30 ft. has been attained in the winze sunk at the end of the drift angles to the cross-cut was driven 90 ft. fo any point nearer the surface, and the ore of a higher grade. Tecoma, 1½ to 1½; the first instalment (5000L) under the lease has been paid, and the vendor has consented to some important modifications in his agreement greatly in favour of the company's shareholders. Emma shares are nominally quoted 1 to 1½; in pursuance of an order of the Court of Chancery the transfer books will be closed until further notize. From the statement which appears in another column, it seems that the application for a winding-up petition was opposed on behalf of the holders of 23,000 shares, of whom, it is stated, at least one-half are original shareholders. Mineral Hill letters advise that seven of the mines have been let on lease to the discharged miners, upon the condition that the company are to receive one-fourth of all the ore broken; the cost, it is stated, will be considerably reduced, and small lots of ore come to the mill without cost to the company: 60 tons of ore, of an average of \$45 per ton, were broken during the week ending March 8. In reply to several enquiries as to Camp Floyd, it may be mentioned that the company has been resuscitated, and those shareholders who have not applied will not, it is to be feared, receive anything for their interest in the original company. The latest news confirm to a certain extent the original company. The latest news confirm to a certain extent the original statements made as to the value of the property, and cinabar, it is stated, has been discovered in fair quantities.

Hydraulic Gold Mine shares are quiet. Most of the companies are doing well, but the fear of a short water season deters intending investors. Although it is likely that the water may not hold out so long as last year, yet the storms of March and April may lengthen the time beyond the present expectations. The shares re-

by

tending investors. Although it is likely that the water may not hold out so long as last year, yet the storms of March and April may lengthen the time beyond the present expectations. The shares remain steady at quotations. Blue Tent, 5 to 5½; washing is steadily progressing at both Enterprise and South Yuba claims, and the agent expresses his intention of making an early clear-up. Cedar Creek, 1½ to 1½; we do not hear of any news from this company. The agent at date of last advices was washing with all the water he could command, and, it is expected, with good results. Sweetland Creek, 2½ to 2½; by some inadvertence the telegram referred to in our last impression was left out; we print it, however, in another column. The substance of it was given in our remarks. It is most satisfactory that the water question is satisfactory that the water question is satisfactory.

impression was left out; we print it, however, in another column. The substance of it was given in our remarks. It is most satisfactory that the water question is settled, as this was the only matter interfering with the continued prosperity of the company. Birdseye Creek, 2½ to 2½; the superintendent reports everything progressing as usual. He was gradually getting into the bank at Neece and West claim, and as the drifted ground was passed the results, it is anticipated, will be better.

In Copper Mines the tendency points to improvement, and shares change hands at full quotations. The Tharsis Company propose to pay a dividend of 25 per cent. at the forthcoming meeting. Cape copper, 31 to 32 (ex div.)'; Rio Tinto, 8¾ to 9½; New Quebrada, 4½ to 4½; Russia Copper, 2¾ to 3½; Panulcillo, 1½ to 1½.

In Lead Mines a good business has been transacted. Roman fravels and Tankerville are firm. Pennerley have been inquired for, and close a shade better; these shares have been somewhat neglected, but are now receiving attention. The company has been making steady profits since the last annual meeting, and has its original working capital intact. Van, 23 to 25; the cross-cutting through the lode and the 90 fm. level is proceeding satisfactorily, and the end is worth 20% per cubic fathom. The level will now be driven west to gt under the rich course of ore gone down in bottom of the 75. This level, 75, is now completely drained, and the end west is is worth 70% per cubic fathom. All other parts without alteration. The directors have this week declared a dividend of 12s, per share, payable on and after the 21st inst. This is an improved dividend, the last being 10s. per share. It will be seen from the

report of the annual meeting we published last week that a saving

report of the annual meeting we published last week that a saving of some 4000l. per annum was to be effected by the new dressing machinery, and the company now appear to be beginning to feel some benefit from it. Shares are firm, at quotations. Van Consols, 2½ to 2½; a fair amount of business has been done; the lode in bottom of the mine continues to look well, and the drawing-shaft and main shaft are being pushed down with all speed: 20 tons of lead were sold on Saturday last, at 13l. 12s. 6d. Great West Van, 10s. to 20s.; the lode in the cross-cut from Eliza's shaft is expected to be met with at an early date.

Grogwinion, 3 to 3½; the latest report is most satisfactory, rapid progress is being made in sinking the main shaft from the intermediate to the deep adit level, and it continues to go down in rich ore. In a few months' time the profits will be nearly doubled. Wye Valley, 3 to 3½; another parcel of 25 tons of ore was sold on March 31, and the manager expects to sell 50 or 60 tons more in a week or ten days. Every part of the mine will soon be thoroughly ventilated by the new shafts, and the returns will then be steadily increased. The new self-acting dressing machinery is now working satisfactorily. Melindur Valley, 2½ to 3; the last report is by far the best that has been received since the company was formed. The bottom of the shaft is now in rich ore—a most satisfactory indication of the mine proving rich in depth, and the 14 is being driven towards the Cwm Erfin lode improves as it advances. The yield of ore from the mine is well maintained, and the directors intend to erect new crushing machinery, whereby a great saving in The yield of ore from the mine is well maintained, and the directors intend to erect new crushing machinery, whereby a great saving in labour cost will be effected. Llanidloes Lead, 3 to 3½; the new engine is being erected, and as soon as it is completed the mine will engine is being erected, and as soon as it is completed the mine will be forked, and returns of lead made from the rich lode left standing by the old workers when the mine was drowned out. West Goginan, $\frac{3}{4}$ to 1. Bog, $\frac{1}{2}$ to $\frac{6}{8}$; the report in another column is very encouraging. It would appear that at the 163, on Whitestone lode, a part of the lode is standing north, and a cross-cut put out there has resulted in the driving of a branch containing lead and blende. Other parts of the mine are also looking well. Pennerley, $1\frac{6}{8}$ to $1\frac{1}{4}$; there is no change reported this week; we hear, however, that the mine is looking much better than for some time past, and has been making a 'steady profit for some months past. Shares are

l‡; there is no change reported this week; we hear, however, that the mine is looking much better than for some time past, and has been making a 'steady profit for some months past. Shares are slightly in demand at quotation.

In Tin Mines business has been restricted. Great Vor, ½ to ¾; from the details of the quarterly meeting, reported elsewhere, it will be seen that the accounts, made up to the day of the meeting, showed a balance against the mines of 516\(lambda\), after allowing for a sum of 688\(lambda\), as a charge on the company for relinquished shares. In addition to which the Chairman stated they had two spare engines, estimated to be worth 500\(lambda\), or 600\(lambda\), besides other materials unsold, so that he thought they might say they were in a very satisfactory financial position. The agent's report stated that the water is now drained to the 40 in West Metal shaft, and in another two months he expects to see the bottom of the mines. So far as seen, the agent is well pleased with the appearance of the mines, and believes a good lode will be met with in dveloping the western ground. The cost is about 250\(lambda\), per month, to help which they are clearing up the tin around the old dressing-floors, and selling about 2 tons per month. It is very satisfactory to find that the work in the mines has all been carried on during the past 12 months out of the proceeds of old materials sold, as no call has been made since March, 1874. Penstruthal, 11s. to 13s.; the mine continues to open out most satisfactorily. The lode in the shaft and bottom levels is improving daily. Cathedral, 20s. to 25s.; a good copper mine is being opened up here. The next sale of ore, about 50 tons, will be the first week in May.

Subjoined are the closing quotations:—

in May.

Subjoined are the closing quotations:—

Assheton, 1½ to 1½: Bog, 10s. to 12s. 6d.; Carn Brea, 45 to 46; Devon Great

Consos, 1½ to 1½: Bog, 10s. to 12s. 6d.; Carn Brea, 45 to 46; Devon Great

Consos, 1½ to 1½; Bolcoath, 45 to 46; East Caradon, 1 to 1½: East Lovell, 7½ to

8: Great Laxey, 11½ to 12; Great Wheal Vor, ½ to ½; Farys Mountain, ½ to

½; Fenstruthal, 10s. to 12s.; Roman Gravels, 11½ to 12½; Theoroft, 22 to 23;

Tankerville, 11½ to 12; Yan, 23 to 25; Van Consols, 2½ to 2½; West Basset, 6

to 7; West Chiverton, 6 to 5½; Wheal Grenville, 4½ to 4½; Almada and Tritto,

11 tô to 13-16 ex div.; Birdseye Creek, 2½ to 3½; Cedar Creek, 1½ to 1½; Cape

Copper, 31 to 32 ex div.; Colorado Terrible, 3½ to 3½; Chontales, ¾ to ½; Don

Pedro, 9-16 to 11-16; Eberhardt and Aurora, 4½ to 4½; Emms, 1 to 1½; Flag
staff, 2½ to 2½; Frontino and Bolivia, ½ to 3; Gold Run, ½ to 1; Javal,
½ to ½; Last Chance, 1½ to 1½; Malpaso, 12s. 6d. to 18s.; Malaban, ½ to 3;

New Quebrada, 4½ to 4½; Rica, ½ to 3½; Richmond Consolidated, 7 to 7½;

Sweetland Creek, 2½ to 2½; Slerra Buttes, 2 to 2½; Slouth Aurora, ½ to 5½; Teooma, 1½ to 1½; United Mexican, 2½ to 3; Blue Tent, 5 to 5½; Holcombe

Valley, 1 to 1½; West Esgair Lie, 1½ to 1½; New Pacilie, 7s. 6d. to 10s.

COLLIERIES AND IRONWORKS.—The following, with a few others, have been the principal shares dealt in during the week:—Chapel House, Clee Hill, Ebbw Vale, Great Western, Cardiff and Swansea, West Mostyn, Bilson and Crump, Whitehaven Iron, and Alltami. The directors of the Pearson and Knowles Coal and Iron Company (Limited) have declared an interim dividend for the past half year at the rate of 6 per cent. per annum on each class of shares, leaving the adjustment between them to the annual balance. The directors of the Bettws Liantwit Company (Limited) have announced that the guarantee dividend, at the rate of 10 per cent. per annum, will be payable, on and after the 1st proximo, at the Allance Bank. There is no market for the shares. Creditors of the Cheap Fuel Supply Association (Limited) are requested to send in their claims to the official liquidator, Mr. James Waddell, Queen Victoria-street, on or before May 1. John Bagnell, 5½ to 6: West Camber-had Iron, 9½ to 10½; Hopkins Gilks, 5 to 6; Bilbao Iron, 46 to 46½. Owing to the disclosures made by the Chairman at the recent annual meeting, and the apparent worthlessness of the coal; Silkstone Fall shares have been freely offered for a few shillings, and are nominally quoted ½ to ½. Had the shareholders courageously faced the situation, and resolved to write off as loss 4½, from the 6½, shares, instead offeferring the question to another year, we believe the shareholders courageously faced the situation, and resolved to write off as loss 4½, from the 6½, shares, instead offeferring the question to another year, we believe the share would fetch much more in the market. Albion Steel, 2½, to 3; Chapel House, 4½, to 4½; Clee Hill, 4s. to 6s., with some slight inquiry; Lehigh and Wilkes Barre Coal, 89½ to 90. New Sharlstone continue to droop; it is believed the costly concern is not making a penny profit, and meanwhile the huge mortgage—a part of which must be paid off this year—hangs like a mill-stone round the necks of the shareholders. Business has been done during COLLIERIES AND IBONWORKS.—The following, with a few others,

At Redruth Ticketing, on Thursday, 1655 tons of copper ore were sold, realising 8349l. 15s. The particulars of the sale were—Average standard, 107l. 11s.; average produce, 7‡; average price per ton, 5l. 1s.; quantity of fine copper, 119 tons 19 cwt. The following are the particulars of the sales:—

Date. Tons. Standard. Produce. Per ton. Per unit. Ore copper. Mar. 4.. 662 ...£16 12 0 634 ...£5 2 0 15s. 4d.£76 12 0 15s. 3367 112 13 0 634£7 13 0 April 1... 1685 107 11 0 734 5 1 0 13 11 69 11 6 Compared with the last sale, the decline has been in the standard 2l. 10s., and in the price per ton of ore about 3s. 6d.

The Oriental Bank Corporation, as agents for the National Bank of Chili, are inviting subscriptions at 88½ per cent. for 1,000,000l. sterling of the Chilian Government Five per Cent. Loan, 1875, authorised by law of the Republic dated Nov. 12 last. The total amount authorised was 1,900,000l., in bonds of 1000l., 500l., and 100% each, redeemable at par by an accumulative sinking fund of 2 per cent. per annum by semi-annual drawings, and it is to be raised on the special security of the Government railways from San Fernando to Palmilla, and from San Felipe to Santa Rosa de los Andes, and of the Great Mole and Bonded Stores at Valparaiso, as well as on the general security of the income and property of the State. The present issue of 1,000,000%, is to be applied to the redemption of internal debts for public works, and the balance of 900,000% is to be applied to the redemption of the Seven per Cent. External Loan of 1868. Chilian securities have always enjoyed a very high reputation in the market, and the present bonds give about 5½ per cent. as an investment. The prospectus will be found in another column. 100%, each, redeemable at par by an accumulative sinking fund of

The Crown Colliery Company are inviting subscriptions for 1500 The UROWN COLLIERY COMPANY are inviting subscriptions for 1500 first mortgage debentures of 100, each, bearing 10 per cent. interest, the first year's interest being secured by 1500l, having been deposited in the names of trustees. The company's collieries are situated at Warmley, Gloucestershire, within 5 miles of Bristol and 8 miles of Bath. The properties are intersected by the Midland Railway and the Great Western Railway's Tramway, the Warmley Station on the former being within 60 wards from the life more being within 60 wards from the life more than 100 more translated of about former being within 60 yards from the pit's mouth. The property consists of about 340 acres, held under agreements for leases for 30 years from June and September, 1875, as a dead rent of 400°, per annum, merging into a royalty of 90°, per ton, and 50°, per annum rent of surface lands and cottages. There are numerous seams of

coal under the property, which are divided into three series, containing in the aggregate 8 tz., 17 tr. 10 in., and 17 tr. 6 in, respectively. The reserve is practically inexhaustible; the second series, which is now being worked, after making ample allowances for pillars, waste, &c., contains over 5,000,000 tons of unworked coal, or sufficient in this series of seams alone to produce an output of 300 tons per day for 40 years. The coal is household of the best description, and in great demand. Both ironstone and fire-clay exist on the property, and can be worked to form an appreciable item in the profits. The prospectus states that the ventilation is good, there is no gas, and naked lights are used thaoughout the colliery. The present output, which is rapidly increasing, is 50 tons per day. This, at the present selling price of the coal—which is in great demand at the pit's mouth, at 20s. per ton large, 15s. brush, and 8s. 4d. slack, would yield a large return, as cost of getting, including every expense, is only 1s. 6d.; so it may be safely assumed that profits will be at least 10,800′, per annum, whereas the amount required to pay interest on and redeem the debentures is only 2550′, per annum, leaving a balance of 8250′, per jannum for distribution on the share capital. The same rate of profits, calculated upon the present output of 50 tons per day, shows the return of 2700′, or more than sufficient to pay the interest on and the redemption of the debentures. The issue of these debentures will enable the directors to pay off the balance of their purchase-moneys, and to further develope the collierles.

We are informed that Capt. Richard Barkell, who for some years have been constant.

and to further develope the collieries.

We are informed that Capt. Richard Barkell, who for some years has been manager of the Bradda Mines, has been appointed mine manager at the Falcon Cliff Mines, Isle of Man, Capt. Nicholas Bryant having accepted an appointment in Nova Scotia.

The Cesena Sulphur Company have given notice that the dividend of 5 per cent. upon the "A" shares for 1874, declared at the meeting of the company on Thursday, will be payable on April 15.

ORES, &c.

I BUY at the highest prices :-LEAD ORES .- LEAD-SILVER ORES .- SILVER-LEAD ORES . SILVER-LEAD.—HARD LEAD.—ANTIMONIAL LEAD. GOLD AND SILVER ORES ZINC AND LEAD ORES MIXED TOGETHER.

Particulars by letter. ARMAND FALLIZE, Ingénieur, à Liége (Belgium)

D. ERNEST MELLISS, A.M., Ph.D., MINING ENGINEER AND GEOLOGIST, 52, BROADWAY, NEW YORK, UNITED STATES,

RICHARD P. ROTHWELL, C.E., M.E., MINING AND CIVIL ENGINEER,

27, PARK PLACE, NEW YORK. Vice-President of the American Institute of Mining Engineers; Member of the American Society of Civil Engineers; of the North of England Institute of Mining Engineers; of the Geological Society of France, &c., &c., Editor of the Engineering and Mining Journal, New York.

Reports on Mineral Properties, and on the Working and Management of Mines.

ADVISES AS TO THE VALUE OF AMERICAN MINING STOCKS AND INVESTMENTS.

AND INVESTMENTS.

A thorough technical education and long practical experience in Mining in various parts of Europe and America, enable Mr. ROTHWELL to give SAFM ADVICE: and his position as Editor of the leading Mining Paper of America affords him unusual facilities for knowing the ACTUAL VALUE of American Mining Securities and the standing of companies.

References: The Presiding Officers of the American Institute of Mining Engineers, and the American Society of Civil Engineers.

CAPPER PASS AND SON, BRISTOL ARE PURCHASERS OF

ANTIMONIAL OF HARD LEAD, LEAD MATTE, LEAD SLAGS, LEAD ASHES, SULPHATE OF LEAD, COPPER SLAGS, COPPER REGULUS or MATTE, TIN ASHES, and TIN SCRUFF. MIXED METALS and DROSS, containing LEAD, COPPER, TIN, er

CALIFORNIA, NEVADA, UTAH, COLORADO, AND THE PACIFIC COAST OF MEXICO.

E. N. RIOTTE, M.E.,

After Fifteen Years' Practical Experience in the above States, has OPENED . SAMPLING ESTABLISHMETS and ASSAY OFFICE in SAN TRANCISCO,

for Silver, Gold, and other Ores.

Working tests of 1 ton made at the works. Reports on Mines, as well as their metallurgical establishments, attended to by letter or cable.

Quicksilver Metallurgy and Mines a speciality. Address,-4111/2, CALIFORNIA STREET, SAN FRANCISCO.

TRIPOLITE, OR INFUSORIAL EARTH.

WANTED, TO PURCHASE. ADDRES

NOTARA BROTHERS, 7, LOWER CASTLE STREET, LIVERPOOL.

LONGDEN'S LIST.

R S A L E:— FIRST-CLASS MANGANESE MINE. EXTENSIVE CHINA-CLAY PROPERTY (now being worked). NICKEL (granulated) and NICKEL ORE. NICKEL (granulated) and NICKEL ORI A N T E D: — CUMBERLAND HEMATITE for export.

TRITES—non cupreous.
TIMONY—Any quantity for delivery at once. HENRY LONGDEN, MINING EXPERT,

18, COLEMAN STREET, LONDON, E.C. TYNE CAST MALLEABLE IRON COMPANY, WORKS: TEAMS, GATESHEAD; OFFICES: CHANDOS CHAMBERS, ADELPHI, W.C

MANUFACTURERS OF ALL DESCRIPTIONS OF MALLEABLE IRON CASTINGS, delivered in London, carriage free.

COAL MINES REGULATION ACT, 1872.

EXAMINATION FOR MANAGERS' CERTIFICATES OF COMPETENCY.

DISTRICT UNDER THE CHARGE OF BALPH MOORE, Esq., H.M. INSPECTOR OF MINES.

NOTICE IS HEREBY GIVEN, that an EXAMINATION for MANAGERS CERTIFICATES OF COMPETENCY, under the above-named Act, will be HELD on the 6th day of May, and CANDIDATES INTENDING TO PRESENT THEMSELVES AT SUCH EXAMINATION must, on or before the 24th day of April, notify such intention to the Secretary of the Board of the above-mentioned District, from whom all information as to particulars can be obtained.

By order of the Board,

R. CALDER, Secretary,

206, Renfrew-street, Glasgow.

N.B.—Persons who do not reside within the district are equally eligible for examination with those who do.

THE IRON AND STEEL INSTITUTE.

THE ANNUAL GENERAL MEETING will be HELD (by permission of the Council of the Institution of Civil Engineers) at No. 25.

Great George-street, Westminster, on WEDNESDAY, THURSDAY, and FRIDAY, May 5th, 6th, and 7th. The Council of the Institute are open to receive comminications, bearing upon the Iron and Steel Trades, from gentlemen desirous of submitting papers to the above-named meeting. Proposal forms received up to the middle of April will be in time for the election of members at the annual meeting.

meeting.
The last issue of the "Journal of the Institute" can be obtained from the publishers, Messrs. Spon, 48, Charing Cross, S.W., price 7s. 6d.
JNO. JONES, General Secretary. 7, Westminster Chambers, London; and Royal Exchange, Middlesborough.

A LIMITED COMPANY OWNS a GROUP of very promising SILVER-LEAD MINES, situated in the PROVINCE of GRANADA,

SPAIN.

A large sum has been expended in the purchase and development of the property under an eminent engineer, but the works are now stopped for want of funds. It is DESIRED to FIND a PARTY willing to FURNISH from £1000 to £3000 for the PURPOSE of CONTINUING the WORKS.

for the PURPOSE of CONTINUING the WORKS.

A liberal bonus will be given to such investor, and, if desired, the entire expenditure placed under his control, provided he will take charge of the mine on the spot, in which case a fixed salary would be given.

Attention is called to an article, headed "A Spanish El Dorado," which appeared in the Daily News of the 1st April, 1875, communicated by their Madrid Correspondent, and which gave an account of the great value of the mining property in the immediate neighbourhood of these mines.

Address, "A. B.," care of Messrs. Sheppard and Riley, Solicitors, 38A, Moorgats street, E.C.

M RASATER AND SWALTHOAL CHEMIST,

Notices to Correspondents.

ABDESTOS.—In last week's Journal I find an enquiry from "W. A. H." as to where he could obtain Asbestos in quantity. I should be happy to get him any quantity of it, if he will only state what kind or quality he requires, short or long, silky, cottony, flaxy, or woody.—T. O.: Beds. March 30.

ABDESTOS.—If "W. A. H." would send me his name and address I could forward him a sample of good average quality: probably there would be no difficulty in supplying a few hundredweights, if price was suitable.—MICHAEL WILLIAMS BAWDEN: General Assaying Offices, Lukeard, Cornwall.

ABDESTOS.—If the enquirer after Asbestos will call upon me (or write) we may make terms.—A. MCCAULEY: 29, Norfolk-street, Strand, London.

BRIMMINGS—"C. H. A." (Burry Port).—You will not be at all likely to get the price you mention; T. or 8!, per ton or less would be much nearer the price. It is difficult to understand how an alloy of 40 per cent. zinc, 60 per cent. lead, and 12 ozs. to the ton sliver could be obtained as skimmings in the process of desilvering lead by any recognised process. Your letter shall be sent to a purchaser of this description of material, who will no doubt communicate with you.

EXTRACTING GOLD FROM PYRITES—"Zero" (Fleet street).—Claudet's process of

Of this description of material, who will no doubt communicate with you.

Extracting Gold Prom Pyrites, referred to in the report of the Victorian Pyrite Board, an abstract of which was published last week, was described in the Mining Journal at the time when Mr. John A. Phillips read a paper before the Society of Arts upon the process in operation at the Widnes Metal Company's works. It is now two or three years ago.

works. It is now two or trace years ago.

Gold Minne in Wales.—Being fully convinced of the existence of commercy valuable auriferous deposits in Wales, I was delighted to read in last w. Journal that in North Wales gold mining has become an established fact, may by degrees extend to the South, for we have plenty of gold-bearing quin Fembrokeshire. The little work at Fronlwyd Llantyrnach will, no doubtin full operation in a week or ten days, although it is temporarily stop through a defective pump and the great body of water that flowed integrate.

shair.—W.H.D.
Miners' MANUAL—"M. E."—The book to which you refer was "Rickard's Miners' Manual," the price of which was 10s. 5d., not 5s., but it has long been out of print. There are excellent little works on mensuration, and on arithmetic, it he Irish Commissioners' series (Thom, Dublin), about 1s. each.

the Irish Commissioners' series (Thom, Dublin), about 1s. each.

Machine Drilling—"R.F." (Truro).—The latest report from the St. Gothard
Tunnel states that 42½ metres were driven in the week; this is about 3½ fms.
per day, and is by no means the highest speed attained. Sir George Denys has
shown that with the McKean drill he has progressed about three times as fast
as by hand, and at rather less cost than by hand labour, but he is a practical
miner, and at the same time possessed of scientific knowledge which enables
him to utilise the power of a machine-drill. Where an attempt is made to
work at excessive speed economy must be to some extent sacrificed. In the
case you mention three times the speed of hand labour would give you nearly
15 fathoms per month without increasing the monthly cost; to get 20 fathoms
monthly speed would, it is said, augment the cost per fathom.

MINING BY MACHIMERY—"J. D." (City).—It is said that in the best practice of

monthly speed would, it is said, augment the cost per fathom.

MINING BY MACHINERY—"J. D." (City).—It is said that in the best practice of long tunnelling in America, whore the advance heading was driven 8 ft. by 8 ft., the size of drill used was 2½ in., believed to be a Burleigh. Three holes were first put in, forming a triangle, base upwards, and with 2ft. sides in the centre of the face, the holes (40 in. deep) converging so that at the bottom they were 6 in. apart. Dualin (dynamite) was employed an an explosive, and the three holes were fixed simultaneously by electricity. For the enlargement to 8 ft. by 8 ft. they put in 24 holes, all straight—that is, five each in top, bottom, and sides, and one in each corner—all 40 in. deep, as before. The progress was quite great and satisfactory. This answers an enquiry in the Mining Journal some weeks back.—

R. P.: Yale, March 10,

R. P.: Yale, March 10,

THE TREATMENT OF COPPER ORES.—Permit me to correct an error in your issue of last week, page 327, under the above heading, in your report of the Great Snowden Mountain Copper Mining Company's meeting of the 24th ult.—I am not the patence of the process referred to, but am interested in it.—J. P. WILKES. Received, "G. P."—E. N."—"Shareholder" (Newfoundland Mining Company).

"E. R. J."—"M. N."—"M. T. G." (Sweetland Creek) See Stock Exchange Article this week.—"S. H."—"W. N." (Whiteeroft).—"H. N." We shall be glad to hear again.—"H. C."—"H. H. P." (Camp Floyd) See Stock Exchange Article this week.—"Unity."—"Mentor."

THE MINING JOURNAL,

Railway and Commercial Gazette.

LONDON, APRIL 3, 1875.

PROGRESS OF OUR COAL MINING DISTRICTS.

The present is certainly not an inopportune time to notice the progress that has been made of late years in the development of our coal fields in the various districts throughout the kingdom where that valuable mineral is being worked. Two or three years ago the fact of some 40,000 or 50,000 miners being idle owing to a strike and lock-out would have had a most serious effect upon the price of coal both at home and abroad; but now it makes not the slightest difference one way or the other, for fuel is so abundant that markets are overstocked, whilst our exports of it have of late shown a sensible decline. Not only so, but the demand is likely to fall off to a still greater extent, owing to the development of the mineral resources of many European States in particular who have long been our very best customers. France has been taking coal from us at the rate of nearly two and a-half million tons a year; but the Government is now engaged in offering inducements to capitalists to open out the extensive coal fields in that country. Prussia and Russia are doing something similar, so that the question of raising coal in almost every part of Europe where it is known to exist is about the most prominent that is now being discussed. In other parts of the world, civilised as well as semi-civilised nations thoroughly understand that coal is one of the most valuable of products, and that by it they can furnish themselves with articles for which they are now dependent on England. These simple truths should not be lost sight of by those who are struggling to maintain wages at a rate which it is said will not admit of their employers successfully competing with other mine-owners at home and abroad. They should also note that the stoppage of so many collieries in South Wales, and the idleness of something like 40,000 miners, as we have before stated, PROGRESS OF OUR COAL MINING DISTRICTS. also note that the stoppage of so many collieries in South Wales, and the idleness of something like 40,000 miners, as we have before stated, is a positive relief to the trade more than otherwise, for it does not is a positive relief to the trade more than otherwise, for it does not raise prices, diminish the exports of coal, or raise the wages of miners in other districts; on the contrary, we find that in Northumberland and Yorkshire and Derbyshire, where there are the most powerful and wealthy organisations of workmen in the kingdom, the miners have agreed to accept a reduction of wages as the inevitable consequence of the present quiet state of the trade. Our object, however, is to notice the past production of our coal fields, contrasting it with what has been raised more recently, and pointing out the rate of increase in different counties, and so showing where the advance in prosperity has been the greatest. The greatness of a country may be inferred from the progress it makes in the increase of its manufactures and exports, and the social advancement of its workers, and the same rule applies to a country or a district. So, if we take the various mining counties in the kingdom, we find that whilst some have largely increased their mineral production others have made little largely increased their mineral production others have made little or no progress in that direction. And it is worthy of special notice that where the output of coal has increased the most there the workmen and their families are much better off, and have more powerful organisations with larger funds than those districts where disputes have been frequent. If we take the places where strikes have been of an almost chronic character, we find the miner not much better off than when his wages were little more than half what they have been during the last year or two, so that years of toil had in no way improved his condition. On the other hand, there are districts, even where Unionism is very powerful, where the collier is the proprietor of his own house as well as others, whilst his home can boast prietor of his own house as well as others, whilst his home can boast of a piano and other luxuries, which at one time were supposed to be the exclusive privilege of the lwealthy middle and upper classes. Coal has increased of late years with much greater rapidity than formerly considering the increase of population, due to the progress made i the make of pig, manufactured iron, steel. &c. In 1839 the quantity raised was estimated by Sir H. DE LA BECHE at only 38,000.000 tons, and in 1852 Mr. DICKINSON considered the output was 54,000,000 tons. But in 1873 the output was more than 127,000,000 tons, being an increase in 21 years of about 134 per cent. If, however, we take the returns for the seven years ending in 1873 we find that the rate of increase was nearly 22 per cent. From these two periods, 1867 and 1873—the latter being the year in which the price of coal reached the highest point ever known, and when miners wages were also higher than ever they were before—we purpose showing the rate of progress made in the various counties as to the showing the rate of progress made in the various counties as to the production of coal, and from which we think a moral, so to speak,

may be drawn with advantage by the most obtuse of colliers that can now be found on strike. We find that the quantity of coal

l was as follows:			1873.	
Durham and Northumberland Tons	24,867,444	Tons	29,640,385	
Cumberland	1.512,514	*******	1,747,064	
Westmoreland		**********	1,972	
Yorkshire			15,311,778	
Derbyshire, Notts, &c			11,568,000	
Staffordshire and Worcestershire	12,526,554		13,355,578	
Lancashire	12,841,500	*********	17,060,000	
Cheshire	935,000	*********	1,150,500	
Shropshire	1,558,500			
Gloucester and Somersetshire	1,975,000		1,858,740	
Monmouthshire	4,569,500	*********	4,500,000	
Bouth Wales	9,092,300		9,841,523	
North Wales			2,450,000	
Beotland		**********	16,857,772	
Ireland		****** *****	103,435	
	101 500 100		105 010 545	

From a glance at these figures it will be seen that whilst some of to be gained by a strike led to very different results. The chronicler of the year 1875 will have to report an exactly similar state of things as regards the production of coal in South Wales, which will again show to disadvantage when compared with any other part of the kingdom. These plain truths should be well weighed by the men, who will see how much they have lost by their vain attempts to keep up wages beyond what the state of trade would admit of.

THE COPPER TRADE.

During the quarter ending March 31 the quantity of copper ore, the produce of Cornwall and Devonshire, sold at the Cornish Ticketing, was 10,960 tons, which contained 748 tons 12 cwts. fine copper, and realised 53,953/. 13s., being equal to an average of 41. 18s. 6d. per ton of ore, and 72l. 1s. per ton of copper in the ore. During the same period the British, colonial, and foreign ores sold at Swansea amounted to 4335 tons, which contained 1046 tons 3 cwts. of fine copper, and realised 84,946l. 3s. 6d., being equal to an average of 19l. 12s. per ton of ore, and 81l. 4s. per ton of copper in the ore. The average produce of the ore sold at the Cornwall Ticketings was 613-16 per cent., whilst that sold at Swansea gave an average produce of 24½ per cent. From this it will be seen that the aggregate sales by ticket were 15,295 tons of ore, containing 1794 tons 15 cwts. of fine copper, and realising 138,899/. 16s. 6d. The subjoined is a summary of the periodical sales at the Cornwall and Swansea Ticketings respectively. The

ate.	Stan	dar	d. 1	Prod.	P	rice.	.]	Per t	anit		Tons.		Fine	cop.	Amor	int.	
. 21	£111	14	0	676	£4	18	6	148.	. 4	d.,	3468		238t	.10c	£17,108	10	6
. 4	108	19	0	736	5	5	0	14	31/2		1497		109	17	7,853	1	6
18	113	16	0	634	4	19	0	14	8		1966		133	3	9,744	8	6
r. 4	116	12	0	634	5	2	0	15	4		662		44	1	3,374	16	6
, 18	112	13	0	65%	4	14	0	14	3	***	3367	•••	223	1	15,872	16	0
	Tota	l for	r the	quarte	er			*****		. 1	0,960		748	12	£53,953	13	0
	Quar	ter	endi	ng De	3.,	1874	***	*****		. 1	2,959		917	17	67,398	19	6
	Quar	ter	endi	ng Sep	t.,	1874				. 1	2,220		882	2	57,488	8	0
	Quai	ter	endi	ing Jui	ne,	1874				. 1	2,013	***	904	11	57,692	15	0
	Tota	l for	r the	year			*****	*****		. 4	8,152		3453	2	236,533	15	6
															59,133		
	Corr	espe	ondi	ng qua	rte	r Ma	rch	. 187	4	. 1	3,045		919	8	52,879	9	0

Tons. Fine cop. Jan. 26...£101 17 6 16 11-16 £13 16 10... 16s. 0d.. 1273 ... Feb. 9... 103 3 0*...2434... 20 7 10... 16 5 ... 1096 ... , 23... 102 10 0 31 13-16 26 3 10... 16 5 ... 935 ... 212t.11c., £16,985 14 (24,492 16 0 Mar. 28... 100 8 0 25 11-16 20 10 0... 15 11 ... 1031 ... 264 18 ... Total for the quarter 4335 ...1046 3 ... £84,946 3 6 Quarter ending Dec., 1874. Quarter ending Sept, 1874 8008 ... 1463 8 ... 121,233 11 0 Quarter ending June, 1874 ... 6778 ... 1277 8 ... 94,099 6 0 ...5311 10 .. £413,217 12 6 7,272 ...1327 18 ... 103,304 8 0 7,558 ...1230 11 ... 99,246 5 6 Showing a quarterly average of Corresponding quarter March, 1874 ...

PROGRESS OF SOUTH AUSTRALIA.

It is just 40 years since Lord GLENELG, the then Secretary of the Colonies, penned his famous despatch, in which he deprecated straggling colonisation in Australia. Lord GLENELG—who was, no doubt, gling colonisation in Australia. Lord GLENELG—who was, no doubt, a well-meaning, although a mistaken (or, at any rate, not an infallible) statesman—wished to confine the efforts which were being made to develope the resources of Australia to New South Wales; but even the routine of the Colonial Office was not powerful enough to cope with destiny, and destiny had provided for the establishment of several important colonies upon the Australian coast, in addition to New South Wales. Lord GLENELG does not appear to have troubled himself very much about Western Australia, although in 1835 it had passed through six years of struggling existence; but he strongly objected to the establishment of a settlement at Port Philli, his great desire being to see the Australians devote all their strength to the development of a powerful young nation in New South Wales. However, as we have already observed, destiny was against Lord Glenelg. In 1836, a band of stout hearted explorers founded a new Antipodean colony, under the style and title of South Australia; the discovery of gold in 1850 soon elevated Port Phillip to the dignity of an independent colony, under the name of Victoria; and in 1859 the Government of Lord Derby carved another great

slice of territory off New South Wales, and called it Queensland. So now Australia has four important settlements instead of the one proposed by Lord Glenelo 40 years since.

It is with South Australia that we have now more particularly to do. For years the colony struggled on against apparently hopeless difficulties. Even the Government officials were sorely tried, since they had sometimes to any without their selection and it is not altothey had sometimes to go without their salaries, and it is not alto-gether clear that if Lord STANLEY had not invoked the aid of the Imperial Parliament in 1842, the whole colony would not have col-lapsed altogether—at any rate, for a time. However, in 1842 Par-liament voted a good round sum in aid of the settlement, which was thus placed upon its legs again. In 1845 came the discovery of the famous Burra Burra Mines, and from that time South Australia prospered. It was found as years went by that the colony was not only an agricultural settlement, but that it also possessed valuable mineral resources. In 1850 the excitement attending the marvellous

gold discoveries made in Victoria and New South Wales slight, checked the progress of South Australia; but still the general confetche colony was onwards, more especially as population steally accumulated, and it was found that gold also existed here and then in the South Australian soil. The last 25 years have been a period for marvellous progress for the Australian group, and South Australian as we have already stated, South Australia was of inancially water to save the settlement from public insolvency. In 1873, however, the revenue of the colony had grown to 937,6491, and last year if further expanded to 1,003,8201, showing an increase of 66,1711 during the past 12 months. The expenditure of the South Australian 6, vernment appears to have slightly outstripped its revenue last year, but the credit of the Colonial Treasury is now so excellent that it can raise money in the London market at somewhere about 41 per cent. per annum. The charge of the bonded debt of the colony is now 170,0001, per annum, and it is gradually increasing; but the bonds of South Australian have the merit attaching to the bonds of the other members of the Australian group of having been issued for reproductive purposes. With a little prudence, then, on the part of the South Australian Government, it appears possible enough that the Colonial Treasury will be enabled to re-establish and maintain an equilibrium between its revenue and expenditure, to raise further loans at close upon 4 per cent. per annum, and to develope to as the colony is a contractive purpose as the sevenue and expenditure, to raise further than the colonial treasury will be enabled to re-establish and maintain an equilibrium between its revenue and expenditure, to raise further to the colonial treasury will be enabled to re-establish and maintain an equilibrium between its revenue and expenditure, to raise further to the colonial treasury will be enabled to re-establish and maintain an equilibrium between its revenue and expenditure, to raise further to the colonial Colonial Treasury will be enabled to re-establish and maintain as equilibrium between its revenue and expenditure, to raise further loans at close upon 4 per cent. per annum, and to develope to result of late, South Australia has been making attempts to turn her incore to account. No great progress has yet been made in this direction, but it is at the same time difficult to suppose that the question of the utilisation of South Australian iron will remain neglected now that attention has been directed to it. We may safely predict an important future for South Australia.

Coal Mining in the Forest of Dean.—The Flour Mill (a) liery, which is situate in the Forest of Dean, is the property of a wealthy London baronet, and it has, though a valuable colliery, been somewhat difficult to work by reason of a continual influx of water. Ac. The present manager, Mr. John Prothero, has been signally successful in overcoming obstacles to a profitable development of the mine, and, at last, having drained the pits is commencing toget the coal. The selection of a manager for the gale was, we under stand, recently left with an eminent firm of mining engineers in Cardiff, and Mr. Prothero's skill and perseverance has in the locality reflected great credit not only on himself, but upon those who had discernment enough to secure a competent person in a case requiring more than ordinary care and foresight. Mr. Prothero is, we believe, a native of Beaufort, Monmouthshire.

IMPROVED SAFETY-LAMP.—Mr. Landau, whose improved safety-lamp was described in the *Mining Journal* of March 13, visited the Oaks Colliery, Barnsley, on Wednesday, for the purpose of having his lamp tested; and he intends also to visit a colliery in the Newcastle district, with the same object. The result of any experiment which may be made will be duly reported.

which may be made will be duly reported.

COAL AND IRON IN THE UNITED STATES.—The anthracite coal movement of Pennsylvania to March 8 this year amounted to 1,779,446 tons, against 2,181,335 tons in the corresponding period of 1874. The bituminous coal movement of Pennsylvania to March 8 this year amounted to 281,046 tons, against 284,256 tons in the corresponding period of 1874. There has been a strike among the working miners of the Schuylkill, Wyoming, and Lehigh districts. The trustees of the Cincinnati Southern Railroad have let a contract to the Keystone Bridge Company, of Pittsburg, for two iron trestles a total length of 1410 ft., at \$65,661. It appears that during 1874 the Pennsylvania Railroad Company laid down 10,422 tons of steel rails upon its main line, and 827 tons on its several branches and sidings. Up to Jan. 1, 1875, the company had laid in the main tracks of its main line 76,320 tons of steel rails, or 725 miles of steel rails; it had also laid 1584 tons in the main tracks of its branch roads, and 6887 tons in third and fourth tracks and sidings on its main line and 6887 tons in third and fourth tracks and sidings on its main linead branches, making an aggregate of 84,791 tons of steel rails now in

REPORT FROM MONMOUTH AND SOUTH WALES.

REPORT FROM MONMOUTH AND SOUTH WALES.

April 1.— The disastrous dispute in this district has now entered upon its fourth month, during which time the loss in wages alone to the colliers has been something like 100,000%, per week, and yet, judging by the tone of the meeting called by Mr. Henry Thomas, formerly miners' agent for the Aberdare district of the Amalgamated Association of Miners, and held at Aberaman, on Wednesday, to take into consideration some means by which the present unhappy state of things could be put a stop to, the end is as far off as ever. At first Mr. Thomas had a difficult matter to get a hearing, but after a time he succeeded, and laid his views before the meeting. He was not, however, fortunate enough to convince the men that they should endeavour to conciliate the masters, and subsequently a resolution was carried pledging the men to continue the struggle. Mr. Thomas will also address the Rhondda Valley to-day, Thursday, and it was agreed to send a deputation of two men to that locality to oppose him, and to lay the decision of the Aberdare men before them. By this it will be seen that the men are as determined as ever, and as long as such a spirit of vindictiveness lasts there is little or no prospect of a settlement being effected. It will be remembered that Mr. Doyle, Government Poor Law Inspector, recently visited the different Unions in the affected district for the purpose of suggesting that the guardians should apply to the masters to open some of their pits, in order that the heavily-taxed ratepayers should be relieved of some portion of their burden by the men who applied for relief being sent to work in the pits for the amount of money they would have to receive from the guardians.

The masters were communicated with on the subject, but at first

would have to receive from the guardians.

The masters were communicated with on the subject, but at first refused to comply with the suggestion; they have, however, since re-considered the matter, and the clerks of the Merthyr, Bedwelly, and Crickhowell Unions have received a letter from the secretary of the Masters' Association stating that some of the collieries in those localities would be opened to the men at the same rate of wages as given in 1870. This step on the part of the masters will be a great relief to the ratepayers, who have had an excessive demand upon their purses during the strike and lock-out. Those men who apply for relief and we free to work in the collision will of our set. apply for relief and refuse to work in the collieries will, of course, get their pay stopped. A meeting of the council of the Associated Masters was held at Newport, on Saturday; it was a strictly private one, but it is understood that business of importance was transacted, which will shortly be made known. The last furnace at Cyfartha finally succumbed to the blowing-out operation on Monday; this was the oldest furnace in the place, having been built in the year 1766. When it will be again blown-in it is difficult to say, but the masters are just now in a chronic state of indifference, and whether furnaces are lighted this year or not until next is matters little odds to them as they contend that at present rates and whether lurnaces are lighted this year or not until next in matters little odds to them, as they contend that at present rates they cannot compete successfully with the continental manufacturers. Orders come to hand but sparely, and America, which was but recently our great market for iron rails, now scarcely sends any orders on to the English market. Advices from Russia, too, and the British colonies are anything but reassuring, and it will be of little use looking for many orders from any of those places. The outlook in the iron trade could not, therefore, be much gloomier. The Coal Trade is in anything but a reconsequent at the and not

Outlook in the iron trade could not, therefore, be much gloomler. The Coal Trade is in anything but a prosperous state; and, not-withstanding that comparatively so small a quantity of coal is still coming into the South Wales market, the supply appears to be quite equal to, if it does not exceed, the demand. This may, to a certain extent be attributable to the fact that the non-associated masters at the commencement of the strike, thinking they would be markers of the situation made avery offers to increase their nutriti. at the commencement of the strike, thinking they would be masters of the situation, made every effort to increase their output; and, not being contented with fairly remunerative prices, at once raised them to famine quotations, the consequence being to drive buyers to other markets where they could get a cheaper class of coal. Whether the district will ever regain their custom or not it would be a hard matter to say; it may to a certain extent, but

indoubtedly inally fallin he at a gree Looked at a sire and Swill have to reaches its for The Tin. I demand is going at fai made at Ne Docks, while held as a guillumination llumination that design the state of the sta dulness of April 1.in the star
lity, but w
for any im
seemed too

APRIL

come reco move will considered One of t at least th Shilson, on as a solicit powder V of the cou county co dealt with whose op man of bu of severa active du of attenti culture, i cess was There i county as our notic which is forwarde be set up now belo morate

deals wi

so many

of 2001. nterests

Harvey twelve In vie account erected f quantitie vious wo taken fr extracti Marci and the of the v The gr

way cle by the r that the view wa it was i The mer 36 per conly a 2 duction trade is In Du present for the West C

and on S

was sen

still con they ca allowed also the continu The enquiri NOR ENGINE

> TEST nonial is const: cut-glas dish is while o Industri clated v

In 1842, ally water. Parlie

ralian Garalian Ga-

se further pe to a still

er Mill Col.

ilopment of name to get name to get name under ngineers in the locality se who had se required as the locality case required is, we

visited the having his periment

racite coal ounted to period of o March 8

n the cor-the work.

ntract to trestles of

in tracks eel rails ads, and

now in

8. entered

mated to take

r. At

undonbtedly a large portion has left it for good. Prices are gradually falling, and whenever the men return to their work it will be at a greater reduction than that which the first came out for. Looked at altogether, therefore, prospects in the trade of Monmouthshire and South Wales are anything but bright, and the locality will have to pass through a time of great tribulation before it again reaches its former prosperity.

The Tin Plate Trade still remains about the same, although the demand is by no means excessive, yet it is enough to keep things going at fairly remunerative prices. Great preparations are being made at Newport in anticipation of the opening of the Alexandra Docks, which event will take place on April 19. The day will be held as a general holiday; there will be a trades' procession, and illuminations in the evening. The retrenchment policy lately instituted by the Marquis of Bute is still being prosecuted with vigour, and his business affairs will in future be transacted upon strictly commercial principles. The new line of steamers lately running between South Wales and New York are at present, owing to the dulness of trade, laid up, and it is quite uncertain when they will again commence running. REPORT FROM CORNWALL.

REPORT FROM CORNWALL.

April 1.—It must be confessed that the announcement of the rise in the standard last week was received not exactly with incredulity, but with some little surprise. Very few people were hoping for any immediate good news, and even to those who were it almost seemed too good to be true. But it did not take long for us to become reconciled to it, and now we are calculating when the next move will be. The prospect is far more encouraging, all things considered, than could have been anticipated a few days ago.

One of the most eminent of our authorities on mining matters, or at least the legal side of them, has just passed away—Mr. William Shilson, of Tremough, near Penryn, known throughout the county as a solicitor and a banker, the proprietor of the Kennal Vale Gnnpowder Works, and an adventurer in mining in almost every part of the county. Mr. Shilson was one of the leading members of the county committee by whom the question of the rating of mines was whose opinion was more valuable or valued. He was an excellent in an of business in every respect, and connected with the committees of several important mines. Since he had retired from the more that the county are always and the more than the county as a single gentleman of attention to the improvement of the estate, and matters of florices was very great.

There is not quite so much doing in the granite quarries of the county as one would wish to see, but a feet here.

calture, in which—especially in moddendron growing—his success was very great.

There is not quite so much doing in the granite quarries of the county as one would wish to see, but a fact has recently come under our notice with regard to the granite production of the county which is worth more than a passing note. There have just been forwarded from Par to Kent four huge granite monoliths, 3 ft.6 in. of a single block at the Colcerrow Quarries of the Treffry estate, in the Ponomill Valley, near the famous Treffry Viaduct. They are to be set up in a group on the park of the gentleman to whom they now belong, and who has four daughters whom they will commemorate for a thousand years and more if only the hand of time deals with them.

morate for a thousand years and more if only the hand of time deals with them.

The settlement of the difficulty what had arisen with regard to Crenver and Abraham must be regarded as very satisfactory. It would have been a thousand pities if so promising a mine, on which so many thousands have been laid out, had been knacked. At the same time, with the present bill of 13,000%, increasing at the rate of 20% a week, Messrs. Harvey were bound to look after their own interests. The arrangement made is fair and equitable—Messrs. Harvey have adequate security and fair interest, and the mine has twelve months' breathing and proving time.

In view of turning the old burrows at South Roskear to practical account and future profit, the adventurers in this mine have just erected furnaces to extract arsenic from the arsenical mundic, large quantities of which are on the spot from burrows left from the previous working. The result of a visit made to the mine shows that the furnaces are acting well, and the arsenic, a sample of which was taken from the flues during the visit of our correspondent, was of most excellent quality. These are the first furnaces that have been extracting arsenic from the stone.

TRADE OF THE TYNE AND WEAR.

TRADE OF THE TYNE AND WEAR.

March 31.—The Coal Trade continues very quiet in most branches, and the tendency is to still lower prices for all except coals and coke of the very highest class. Considerable stocks of steam and other coals are held at many works, and the men only partially employed. The great body of men in Northumberland have cheerfully accepted the reduction in the rates, which was settled by arbitration. One section of them, however, the mechanics, have determined to resist, ciation was held in Newcastle, and a deputation from the meeting was sent to the coal trade office, when they had an interview with formed the owners that the mechanics in the county did not see their however that the mechanics in the county did not see their way clear to accept any reduction of wages. In reply it was stated that they were determined to enforce it. The result of the interit was unanimously resolved by them that the notices of all the mechanics be handed in immediately, so as to terminate on Aprill 3. Sper cent. advance received upon 1871 prices, leaving them with duction of 3s, 6d. per week. Some improvement in the steam coal Lade is expected, as the export trade will shortly open.

In Durham the only branch of the trade showing any vitality at for the furnaces of South Durham, for Yorkshire, and also for the west coast. The obstinate and foolish strike at Monkwearmouth they can get voluntary from the men of the district, as they are not allowed any support from the men of the district, as they are not allowed any support from the men of the district, as they are not allowed any support from the men of the district, as they are not allowed any support from the men of the district, as they are not allowed any support from the Punion funds. The owners of the solutions, from the funds of the Durham Coal Masters' Association. The Iron Trade continues very quiet, and there is no change to iron are, however, getting very low, and it is quite clear that more borough there was a fair attendance on Tuesday. The pric

NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL Resuppose A consequence of members will be held on Saturday, when a NORTH OF ENGLAND INSTITUTE OF MINING AND MRCHANICAL ESIGNEERS.—A general meeting of members will be held on Saturday, when a saimber of gentlemen will be elected, and the following papers stand for reading odd in South Northumberland," by Mr. G. A. Lebour. The following papers will be open for discussion:—"On the coal fields and mining industries of Russia," by Mr. J. B. Simpson; "Some remarks on the beds of ironstone occurring in Lincoln-bide," by Messrs. John Daglish and R. House,

hite," by Messrs. John Daglish and R. House.

TESTIMONIAL TO SIR GEORGE ELLIOT, BART., M.P.—The testimonial interpretation of the property of

to the Conservative cause, 1875." The total height of the centre is about 30 in. The four dessert stands are similar in general style, each being supported by a figure emblematic of Arts, Legislation, Mining, and Manufactures. The plateau is of an eirregular oval shape, with a richly chased border; on either side is medallion Sir George Elliot within a garter containing the motto, the other medallion being of engraved. Durham, 1875. The whole of the plateau is elaborated vectorated with blems corresponding with the figures on the centre piece and descert stands. The such correlation of the content of the plateau is elaborated stands. The such correlation of the content of

REPORT FROM THE NORTH WALES DISTRICT.

REPORT FROM THE NORTH WALES DISTRICT.

March 31.—The Coal Trade is rather dull, and at some collieries the production is moved off with difficulty. The masters of the Ruabon, Wrexham, and Flintshire collieries have given notice of a reduction of 15 per cent. The men at the Westminster Colliery have given notice that they will not accept this reduction. It is thought that throughout the district generally a compromise of 10 per cent. reduction will be effected. The ironworks and foundaries are in full work, as are also the brick and pipe works. The Pant Coal, Brick, and Fireclay Company (Limited) held its first annual meeting at the Wynnstay Arms Hotel, Ruabon, on the 22d declared. The whole of the directors were re-elected. They with the secretary and auditor were thanked for the way in which they had conducted the company's business.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

April 2.—Business in the Iron and Coal Trades of this district has been entirely suspended during the past week on account of the port. It is now practically settled that there will be no alteration in the prices either of coal or iron in the South Staffordshire district on Quarter Day. The leading coalmasters, at a private meeting held remain unaltered in price for the present, and wages, which it was still in force, continue at the standard which has ruled during the past quarter. By this resolution the maintenance of existing quomasters have, indeed, intimated their intention to make no change. The effect of this decision upon the trade has not yet been ascertained, the holidays having, since the meeting was held, caused quite a suspension of transactions.

The wages committee of the South Staffordshire iron trade met at Wolverhampton, on Wednesday afternoon, at the offices of Mr. B. Smith, the official accountant to the trade. The employers were repure that the staffordshire in the two districts ton for bars. This brought down wages 2½ per cent., or to 9s. 6d. rangement. This scale will remain in force until July 30. A representative meeting of masters and men from both districts will, it is suders and wages.

understood, be held in London on May 14, to decide upon a wages scale for the future.

To-day's quotations on the Birmingham Stock Exchange included the following:—Metropolitan Carriage and Wagon Company (Limted), 4½ prem.; ditto 6 per cent. preference, ½ prem.; Patent Shaft and Axle (Limited), 4½ prem.; Sandwell Park Colliery (Limited), 34; Cannock and Huntington Colliery, ½ dis.; Ivy House and Northwood Colliery, ½ dis.; Chillington Iron, 6; John Bagnall and Sons (Limited), 6.

(Limited), t.

The number of blast-furnaces at present blowing in South Staffordshire is 78, but this total will be increased within the next few weeks to 85, arrangements for re-lighting this additional number

weeks to 85, arrangements for re-lighting this additional number being now in progress.

In the North Staffordshire Iron trade the Easter holidays have this week considerably checked the course of business, and the prospects of business are not by any means satisfactory for the season. The ruling quotations remain upon the basis of \$1.178. 6d. per ton for "crown" bars, and the demand is pretty much restricted to the smaller classes of iron. The ironstone and pig-iron makers are remarkably quiet. Messrs. R. Heath and Son have just turned out an immense casting, 100 tons in weight, for the block or bed one of their steam-hammers.

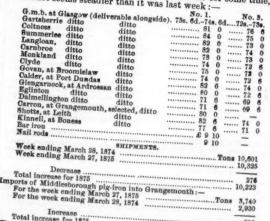
one of their steam-hammers.

At the Chillington Iron Company (Limited) meeting, held on Thursday afternoon at Wolverhampton, the report, which was given in our columns a fortnight ago, was unanimously adopted, and the retiring directors were re-elected. Mr. Fowler, solicitor to the company, stated that in its formation no "promotion money," in any shape or form, had been paid to anyone, so that, in this respect at the least, the Chillington Iron Company would compare favourably with some undertakings that had recently been launched.

The Coal and Iron Trades of North Staffordshire.—The quarterly meeting of the North Staffordshire Coal and Iron Masters' Association was held on Thursday, at Hanley, Mr. Wragge in the chair. Trade was reported to be in an exceedingly quiet condition, and very few transactions were going on pending the Birmingham quarterly meeting, to which purchases and prices were for the most part postponed. The Rating Act, 1874, which renders ironstone mines rateable to local rates under certain conditions, was fully considered, and led to considerable discussion.

REPORT FROM SCOTLAND.

March 31.—The Warrant Market continues very quiet, with little change in prices. On Wednesday and Thursday business was done from 72s. 3d. to 70s. 6d., closing for the week at 71s. 3d. This week there has only been a very moderate business done, from 72s. 3d. to 71s. 3d., closing this afternoon nominally 71s. 6d. The quotations for makers' iron are lower than they have been for some time, but for makers iron are lower than they have been for some time, but the market seems steadier than it was last week:—



improved demand for shipment, and although prices have been reduced privately to 9t, and 9t, 10s. (less 5 per cent.) business is not of ming up to the expectations of makers. The little extra which is being given out is in too small quantities to put life into the terms. This corporation have entered into contracts with two firms for the supply of water-pipes at fixed prices for the next six months.

Coals for shipment show a good business, the low rates now current inducing foreign shippers to speculate a little in the article. The coals for shipment show a good business, the low rates now current inducing foreign shippers to speculate a little in the article. The coals of 4t, 592 tons, as compared with a total of 27,642 tons in the same week last year. This shows an increase of 17,250 tons, with considerable loadings still going on.

A Conference between the coalmasters' and miners' delegates of fife and Clackmannan shires was held at Burntisland, on Saturday, when the masters agreed to limit the reduction of wages to 15, and years are subsequently, after consultation with their constituents, agreed to them, and the engine-keepers have also accepted of the masters' them, and the engine-keepers have also accepted of the masters' the purpose of arranging for the simultaneous announcement of a reduction of 1s. per day. The prices now got for coal were so low that they were compelled to resort to this means of rendering their output passably remunerative.

Mr. Alex. Macdonald, M.P., met the miners of Maryhill on Monday, according to make the profess, in the heavy nature of his parliamentary and the engine, not withstanding "the heavy nature of his parliamentary and the profess, in the coalmaster of the purpose of arranging for the simultaneous announcement of a reduction of 1s. per day. The prices now got for coal were so low output passably remunerative.

Mr. Alex. Macdonald, M.P., met the miners of Maryhill on Monday, according to make the purpose of a supplied to be also the company of the parliamentary and th

THE SCOTCH MINING SHARE MARKET-WEEKLY

THE SCOTCH MINING SHARE MARKET—WEEKLY REPORT AND LIST OF PRICES.

During the past week there has been little business done, owing markets were closed from Thursday evening till Tuesday. In shares of iron and coal concerns, Marbella and Monkland ordinary have each improved a trifle, as also Bolckow, Vaughan, A's, which are now quoted ex div. Chillington, also quoted ex div., is unchanged, but firm on the satisfactory statements (noted elsewhere) made at the meeting. Benhar all-paid shares have been flat, and declined 1, as also the new shares \(\frac{1}{2}\), simply owing to the depressed state of the market for coals. Omo and Cleland is also offered at lower prices, and Merry and Cuninghame have declined; the circular by the directors of this company, mentioned in a former report as to be issued, has come out, and will be found after my report of Thursday's business; the numbers are also advertised of the original A debentures drawn for redemption. In shares of copper concerns, Tharsis are unchanged. Rio Tinto have changed hands at 3\(\frac{2}{3}\) and 3\(\frac{2}{3}\). Glasgow Caradon and West Maria and Fortescue have improved, but Canadian (Copper Pyrites and Huntington are lower. In lead mine shares quotations are:—Court Grange, \(\frac{2}{3}\) to 1; Lady Constance, \(\frac{1}{3}\) to 1\(\frac{1}{3}\); is not proved, but Canadian diver shares Colorado Terrible are \(\frac{2}{3}\) and Javali \(\frac{1}{3}\) better, others unaltered. Don Pedro North del Rey are lower, at 12s. to 16s.; Frontino and Bolivia, \(\frac{1}{3}\) to \(\frac{1}{3}\); Fuller's Reef shares in demand; Pestarena United, \(\frac{1}{3}\) to \(\frac{1}{3}\); Fuller's Reef shares in demand; Pestarena United, \(\frac{1}{3}\) to \(\frac{1}{3}\); Filler's Reef shares in demand; Pestarena United, \(\frac{1}{3}\) to \(\frac{1}{3}\); Filler's Reef shares in demand; Pestarena United, \(\frac{1}{3}\) to \(\frac{1}{3}\); Filler's Reef shares in demand; Pestarena United, \(\frac{1}{3}\); to \(\frac{1}{3}\); Rein (20) colone, and prices show no alteratio

they hold at the present day. With reference to the mineral resources and the value of the stocks of the company, is was stated that, if all the company's iron-varies were swept away, and the stocks were to be sold under the auctioneer's works were swept away, and the stocks were to be sold under the auctioneer's between the minerals then left would be worth more than all the shares at the Endwarden done at 29s. dol. closing 26s. to 27s. Lochore and Capledrae, 73s. to 8. Marbella, 91s. to 29s. Merry and Cuninghame lower, done from 37s. to opened at 28s in these prices. Omoa and Cleiand also lower, at 43s to 25s. Tharsis to 29st; new at these prices. Omoa and Cleiand also lower, done from 37s. to opened at 28s in the sprices. Omoa and Cleiand also lower, done from 37s. to 29st; new at the spring of the spring of the company of the comp

elosing 18 to 18½. West Maria and Fortescue done at 4s. to 5s. Scottish Wagon, all-paid, 11 15-16ths; new, 1½ paid shares, done at 31s.

On Wednesday a good business was done. Benhar, all paid, done at 11½ and 11½, closing 11 to 11½; new (3½, paid) shares done at 71s. and 70s., closing 34 to 3½. Canadian Copper Pyrites opened at 23s., batdeclined to 30s. 6d., again rallied to 33s., and close 33s. to 31s. Ebbw Vale, 19½ to 29. Glasgow Caradon done at 28s. 6d. and 27s., closing 27s. to 27s. 6d. Lochore and Caphedrae, 7½ to 8. Marbella better, at 4½ to 4½. Merry and Cuninghame opened at 35s. and, 35s. 6d., but declined to 33s. 6d., closing flat at 33s. to 33s. 6d.; notice is published to-day to holders of original A debentures of this company that bonds, amounting in all to 11,660%, have been drawn by lot, for payment at the office of the company on any day between the 1st and 30th proximo, as provided in the Artisles of Association; interest ceases to run on the bonds so drawn from April 1. Monkland ordinary done at 61s. 6d., closing 61s. to 62s.; guaranteed preference done at 7½. Rio Tinto done at 8½. Tharsis firm, done from 28½ to 26½, closing at these prices; new shares, 18 to 18½. Scottish Wagon, all paid, remain at 11 15-16ths to 12. Subjoined will be found the latest prices:—

moun		Amour		COAL, IRON, STEEL.	Lates
share		paid-u	p.	Name.	price
£10	***	6		Arniston Coal (Limited)	73
10				Benhar Coal (Limited)	
10	***	. 3	***	Ditto	33
100	***	35	***	Bolekow, Vaughan, and Co. (Limited)	523
10	***	7	***	Cairntable Gas Coal (Limited)	63
10		10	***	Chillington Iron (Limited)	53
33	***	29	***	Ebbw Vale Steel, Iron, and Coal (Limited)	193
10			***	Fife Coal (Limited)	45
10	100		***	Glasgow Port Washington Iron and Coal (Limited).	31/2
10	***		***	Ditto All paid	
10	***		***	Lochore and Capledrae (Limited)	9
10	***	10		Marbella Iron Ore (Limited)	45
10				Merry and Cuninghame (Limited)	22. 6
10	***	10	6	Ditto All paid	014
10	***	10	***	Monkland Iron and Coal (Limited)	934
					018. 0
10	***	10	***	Ditto 7 per cent. Guaranteed Preference.	734
100	008	100	***	Nant-y-Glo and Blaina Ironworks pref. (Limited)	445
10			***	Omoa and Cleland Iron and Coal (Limited)	21/
1	***	1	***	Scottish Australian Mining (Limited)	11/
1		5s.		Ditto New	68. 3
50		50	***	Shotts Iron	75
10	***	4		Ditto New, issued at 21/2 premium	6
				COPPER, LEAD, SULPHUR, TIN.	
10				Canadian Copper Pyrites (Limited)	33s.
10	***	10		Ditto All paid	
10				Cana Connar (Limited)	614
10		7	***	Cape Copper (Limited)	32
-		5		Drake Walls	
2		3		Dunsley Wheal Phoenix Tin (Limited)	45.
1		1		Glasgow Caradon Copper Mining (Limited)	278.
1		15s.		Ditto New	16s.
0.00			4	Gunnislake (Clitters)	136
10		9	***	Huntington Copper and Sulphur (Limited)	448.
1		1	***	Islay Lead (Limited)	34
25s.		23s.		Kapunda Mining (Limited)	34
4	***	4	***	Panulcillo Copper Mining (Limited)	11/
10		10	***	Rio Tinto (Limited)	87/
10	**	10		Russian Copper Mining (Limited)	23/4
-		6	***	South Roskear	434
10	***	10	***	Tharsis Copper and Sulphur (Limited)	265
10		7	***	Ditto New	1834
		90s.6d	***	West Maria and Fortesone	48. 60
1		1	***	Yorke Peninsula Mining (Limited)	88. 90
î	***	δs.		Ditto 15 per cent. Guaranteed Preference	34
		081	***		74
-				GOLD, SILVER.	
. 5		. 5	***	Colorado Terrible Mining (Limited)	354
20	***	20	***	Emma Silver Mining (Limited)	114
10		10		Flagstaff Silver Mining (Limited)	3
2		2	***	Javali Gold Mine (Limited)	16s. 3c
6	***		***	Last Chance Silver Mining (Limited)	1
				OIL.	
10				Tielmeny Oil (Limited)	111- 4
5	***	5	***	Dalmeny Oil (Limited)	1415. 0
		10	***	Tighall Mineral Oil (Limited)	. 84
10		10	***	Uphall Mineral Oil (Limited)	9.7.4
		10		West Caider Oil (Limited)	11/8
10	***	83	5		6
10				MISCELLANEOUS.	
		10		Conglog Slate and Slab (Limited)	103/4
10				Highland Peat Fuel (Limited)	7
10	***				
10 10 10		9	***	London & Glasgow Engineering & Iron Shipbuilding	2354
10 10 10 80	***	. 9 25	***	London & Glasgow Engineering & Iron Shipbuilding	
10 10 10 80	***	9 25 1	***	London & Glasgow Engineering & Iron Shipbuilding North Cornwall Kaolin (Limited)	2356
10 10 50 1	***	9 25 1 93		London & Glasgow Engineering & Iron Shipbuilding North Cornwall Kaolin (Limited)	7
10 10 10 80	***	9 25 1		London & Glasgow Engineering & Iron Shipbuilding North Cornwall Kaolin (Limited)	1 7 12

Note.—The above list of mines and auxiliary associations is as full as can be ascertained, Scotch companies only being inserted, or those in which Scotch investors are interested. In the event of any being omitted, and parties desiring a quotation for them and such information as can be ascertained from time to time to be inserted in this list, they will be good enough to communicate the name of the company with any other particulars as full as possible.

J. GRANT MACLEAN, Stock and Share Broker. Post Office Buildings, Stirling, April 1.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

April 1.—There has been very little work done during the week so far, the men having taken full advantage of the holidays, and at a good many places work was not resumed before Wednesday. The coal has been cleared away from the collieries, and there appears to be no scarcity of wagons, so that there will be plenty to do for the miners. The business doing with London over the Midland has been very good, and a considerable tonnage has also been sent to Birmingham and the West of England. The reduction, which may now be said to have commenced, is likely to be fully agreed to by the colliers, but many of the topmen are not disposed to accept the terms. Of course, a strike on their part would lead to a stoppage of all work at the bottom, and the throwing idle of the pits. The purchase of the Shirland Colliery, near Alfreton, by the South Yorkshire Miners' Association, is said to be all but completed. It is bought from Mr. Baillie, the mortgagee, for the sum of 75,000l., of which 15,000l. has been paid as a deposit. It is proposed to raise 100,000l., in 5l., shares, and, whilst the Association will increase its interest in the concern to 30,000l. An bank proposes to lend 40,000l. by mortgage, and it is expected that the miners and their friends will take up the other 30,000l. Mr. A. Mundella has consented to act as chairman, whilst Mr. Macdonald, M.P., is also to be one of the directors. The other members of the board will be the president, treasurer, and secretaries of the Association.

The Sheffield trades have undergone very little change of late. The Bessemer Works, however, have improved, and some very fair orders have been given out for rails. The heavy armour-plate, as well as April 1 .- There has been very little work done during the week

The Sheffield trades have undergone very little change of late. The Bessemer Works, however, have improved, and some very fair orders have been given out for rails. The heavy armour-plate, as well as the ship and boiler-plate, mills are well off for work. Crowley and Co., of the Kelham Works, whose malleable castings are so widely known, have been doing very well, and their latest specialities, Edwards's patent chaff-cutter, and the "Invincible" lawn-mower, which carried all before them at the leading exhibitions last year, promise to be in greater demand than ever. There has been no alteration with respect to the cutlery branches, or with respect to crucible steel. Coal is now easier to purchase than it has been at any time since the commencement of the year, and is likely to be still lower. Consequently, merchants and manufacturers are only buying sparingly. This does not look very well for some of the companies formed two or three years ago for the purchase of colcompanies formed two or three years ago for the purchase of col-lieries at very high prices. Some of them have not as yet paid any dividend, and the prospect of their doing so is more remote than ever.

dividend, and the prospect of their doing so is more remote than ever. Early on Wednesday morning an explosion, likely to be attended with serious consequences, took place at Rockingham Colliery, about four miles from Barnsley. The colliery is in cource of sinking to the well known Silkstone seam, by Messra. Newton, Chamberra, and Co., owners of Shornelife and Capetown Collieries and Ironworks. The sinkings having reached the Parkgate seam, coal was being worked to supply the engines. At the hour named the firing of shot liberated a quantity of gas, which exploded and set the solid coal on fire. The workmen escaped uninjured. During the day mining engineers from several leading South Yorkshire collieries arrived on the spot and held a consultation. There being no water at hand, it was determined to seal both shafts, which was done on Wednesday night. The sinkings, which have been remarkably free from water, were looked forward to with great interest, being one of the first collieries in South Yorkshire which was likely to reach the Silkstone seam from the Barnsley bed, a distance of about 380 yards. The fact of the coal having caught fire is likely to lead to the sinking operations being discontinued for a long time.

How MINERS RISE-FROM TRAPPER TO MANAGER.-It was HOW MINERS RISE—FROM TRAPPER TO MANAGER.—It was formerly said of the army of the first Napoleon that every soldier carried in his knapsaok a marshall's baton, and many of his best generals were at one time mere privates. Bo fit may be said of a miner that he may by his ability and self-denial not only become the manager of a colliery, but an owner as well. Of this we have many instances at the present day. Bir deorge Elliot, M.P., one of the wealthiest magnates of the day, began life at a very early age as a pit boy, and gradually worked himself up to be one of the first mining engineers we have in the kingdom, as well as one of the richest coolowners. In South Yorkshire, at the present time, the management of some of the largest collieries is in the hands of men who commenced their circum as trappers, without any education other than what was obtained at a Sunday school. Amongst others, we name Mr. James Wilson, the present manager of the Oaks Collieries, near Barnsley, and who was one of the engineers reconly presented by the Messre. Charlesworth with a massive silver oup, in recognition of services rendered it connection with the suplosion which recently

working at mine or ten years of age as a door keeper, and passed through all the various grades until he became a deputy at the Lambton, Hetton, and South Hetton Collieries. In September, 1846, Mr. Wilson took charge of the ventilation at the Trindon Grange Colliery, where he also occupied the post of overman, and, removing from thence, he filled a like position at South Wingate Colliery. In November, 1885, he was appointed underviewer of Castle Eden Colliery, on leaving which he was presented with a gold watch-guard and a silver pencil-case, and was then promoted to the post of resident viewer at the Monkwearmouth Colliery, In July, 1898, Mr. Wilson became resident viewer at Thornley Colliery, and on his leaving, in July, 1899, was presented by his friends with a beautiful timepiece, of massive workmanship. He now removed to Yorkshire, where he took charge of Snidle Colliery, near Pontefract, and afterwards of the Darfield Main Colliery, as which latter he was presented by numerous friends with a valuable gold watch a guard. In November, 1871, Mr. Wilson was appointed manager of the Oaks Collieries, which position he still holds. With others, he received from Mr. Thomas Dymond, the managing owner, a valuable present, for services rendered at the disastrous Oaks explosion, in 1866, when, it will be remembered, no less than 364 dives were lost. Another of the recipients of Messrs. Charlesworth's gifts, Mr. J. F. Thompson, served his apprenticeship at the Thornley Collieries, principally under Mr. Wilson, and, after rising in his profession, was appointed to a responsible position, and was for some time at the Scaham and Scaton Collieries, with marked ability the post of manager at the Manvers Main Colliery, Wath, as well as being connected with other large and important undertakings. Mr. Ward, also of the Manvers Main Colliery, another recipient, was also for some time under the tuition of Mr. Wilson, at the Old Oaks Colliery. We may say that the present race of miners and their families have advantages which we

FRANCOFORDIENSE EMPORIUM-AN INTERNATIONAL EXHIBITION THREE HUNDRED YEARS AGO.

EXHIBITION THREE HUNDRED YEARS AGO.

Among a series of exceedingly interesting reprints and translations* recently issued by Mr. ISIDORE LIBEUX, of Paris, is one which is fairly worthy of being brought to the notice of the readers of the Mining Journal since it contains an account of the international and permanent exhibition which were holden at Frankfort at the time the book was originally printed. The address "to the most honourable and worthy consuls and senators of the illustrious town of Frankfort," which serves as an introduction to the account itself, shows that the early printer was by no means deficient in that classical and general knowledge which at that time was beyond the reach of any but the favoured few, and he certainly displays an acquaintance with the usual object of authors when he remarks that, although they had written upon an infinity of things, it had been much less with a view to the public or private good than to parade their own ability. "At mini," says he, "Francofordiesium nundinarum encomium has cratione complect aggredienti, non tam sperandam case elequentiae laudem, quam, ne infantiam meam prodam, metuendum esse non ignoro;" and he continues that the subject, far from being a light and unimportain one, is one which offers a every large field for praise.

In the first place, he remarks that in all Germany they could not wish for a more suitable site than Frankfort, and that wheever may be its founder (for according to several historians, Francus, the son of King Marcomir, did not build, but merely restored the town, although from him comes the name of Francfordia, in German, Franckfort as a substitute for the original name of Helempolis) he seemed to have foreseen the important position it was to occupy. After commenting upon the great variety and excellence of the articles exhibited, he remarks that jealousy among the merchants is unknown, and that as to the trans-ctions which the dealers make between themselves, they may be characterised in a word: "siquas bone fidel reliquias A

and at the same time supply a vast fund of interesting information.

""Rapport sur la Bibliographie présenté à la Convention Nationale, le 22 germinal an II. (1784)," par Grécoire, évêque constitutionnel de Blois, Député à la Convention.—2. "Solloques Sceptiques," par la Mothe Le Vayer, reimprimé sur l'edition unique de 1870.—3. "La Conference entre Luther et le Diable au sujet de la Messe," &c.—4. "La Foire de Francfort "(Exposition universelle et permanente au seizleme siècle), par Henri Estienne. Traduit en Français pour la première fois « Ir l'édition originale de 1574, par Isidore Liseux. Paris: The Translator.

FUEL.—Mr. J. GRIFFITHS, of Birchgrove Colliery, near Neath has patented improvements in machinery for moulding and pressing artificial fuel and bricks, and in preparing materials used in the manufacture of fuel. This invention relates firstly to improvements in regulating the pressure imparted to material used in the manufacture of artificial fuel.—By the invention of Mr. ROBERT PUNSHON, of Heatherley, in fuel applicable to lighting and heating purposes, petroleum is passed through perforated chalk, to which heat is applied. A condenser is employed between the reservoir of petroleum and the chalk, to keep the petroleum in a liquid state as required. For heating purposes blocks of perforated chalk are used, and for lamps burners made of chalk. A flashing light for signals is produced by turning the supply of petroleum on and off by means of a feed-cock.

FIRBNACES — Mr. I KUD. of Martin's lanc City, has patented a

produced by turning the supply of petroleum on and off by means of a feed-cock. FURNACES.—Mr. J. KIDD, of Martin's-lane, City, has patented a new method of decomposing and generating gas, suitable for lighting or heating purposes, by means of an arrangement of furnace and attachments, which furnace is combined with a closed decomposing chamber, containing incandescent fuel. Heated gas vapour, or the products of combustion, are forced through this incandescent fuel by the escaping force of a jet of steam or hydro-carbon vapour, and is changed into a permanent gas. When this gas is required to be burned in the furnace where it is generated he allows atmospheric air to mix with the vapour from the forcing jet, but when the gas is not to be burned where generated he allows no atmospheric air to mix with the forcing jet of vapour.

atmospheric air to mix with the forcing jet of vapour.

HYDRAULIC POWER.—Capt. F. D. WALKER has patented an improved method of generating and utilising hydraulic power, and for its application to all purposes where steam or other power is now used. The invention consists in the employment of a simple hydraulic press, the ram of which is actuated by two vibrating levers arranged one above the other and pivotted respectively to the ram and to the upper table or cross head of the press: the meeting ends of these levers are connected and vibrate together by a ball and socket or other suitable junction piece, to which is connected a rod leading to and connected with a compound lever actuated by electro magnets or other suitable power in such a manner that a reciprocating movement is given to the said rod, whereby the two vibrating levers are moved so as to depress or communicate a considerable compressive force to the ram press. The hydraulic pressure so generated in the press is caused to pass into the working cylinder and operate a piston in connection with the driving shaft of an engine or other machinery.

other machinery.

LIGHTING AND HEATING,—According to the invention of Mr. A.

M. SILBER, managing director of the Silber Light Company, Whiteross-street, the
oil or combustible liquid holder is connected by an arm with a burner. The oil
holder is connected with a chamber, which is provided with a non-conductor jacket.
At the bottom of such chamber is a second chamber, inside which is a third or inner
chamber, on which the burner rests and through which air is supplied thereto,
having entered through openings in the first named chamber and thence through
the second chamber. The heated products of combuston are conducted through the
bottom of the outer chamber and by a channel, and escape througha dome or cap.

WELDING IRON AND STREL.—Mr. H. SCHIERLOH. of New Jersey, has patented the preparation of a flux for welding iron or steel to iron, or to steel, or to cast iron at a lower heat than usual, the flux consisting of wrought-iron turnings or chips, ground to the condition of coarse filings, mixed with refined borax, from which part of the water of crystallisation has been evaporated, and the whole reduced to a meal. Other chemicals used for welding may be employed instead of or along with borax.

EXCAVATING MACHINE.—By the invention of Mr.W. F. LAWBENCE of Gloucester-row, Clifton, a frame is suspended from a jib head of a crane, a spade cutter is free to slide on this frame; it is raised by the crane, and allowed to drop to cut into the land, then turned to raise the earth cut away by it, and caused to deposit the earth into a wagon.

deposit the earth into a wagon.

ELEVATING COAL,—The invention of Mr. J. L. BATES, of New York City, has for its object the raising or elevating of coal or other heavy material from the ground, or out of boats into trucks or carts or on a conveyer, so that the material may be moved any desired distance from the place of hoisting; and it consists, first, in making the elevating channel in two parts, one sliding within the other telescopically; secondly, in so pivoting the buckets or shovels to two endless chains that, as they come out at the lower end of the channel, they are pushed under the material before they begin to rise; thirdly, in having the elevating chains and other parts carried by a hollow vertical column supported in such a manner that the whole of the elevating mechanism may move in about the third of a circle.

ROTARY ENGLESS.—The invention of Mr. WILLIAM SMUTE, line.

ROTARY ENGINES. - The invention of Mr. WILLIAM SMITH, jun. as one of the richest coolowners. In South Yorkshire, at the present of some of the largest collieries is in the hands of men who heir ever as trappers, without any education other than what was Sunday school. Amongst others, we name Mr. James Wilson, the ger of the Oaks Collieries, near Barnsley, and who was one of the enger of the Oaks Collieries, near Barnsley, and who was one of the engine type-sented by the Messrs. Charlesworth with a massive silver cup, in large the collieries, near Barnsley, and who was one of the engine the Collieries, near Barnsley, and who was one of the engine the Collieries, near Barnsley, and who was one of the engine which is double, rotates with the driving shaft inside the cylinder, so as to form an annular space therein. The piston of the engine which is double, rotates with the driving shaft inside the cylinder, and is alternated to connection with the supplied or came surfaces the Rawmarsh Colliery. Mr. Wilson, we are informed, commenced

of the said annular space in such a manner that the piston is brinfluence of the pressure from the steam or air entering the cylin let or supply pipe, and under that of the exhaust or vacuum three pipe, whereby a continuous rotary motion is given to the shaft or

pe, whereby a continuous rotary motion is given to the shate or engine.

CONSUMPTION OF SMOKE,—Messrs. T. WRIGLEY, G. BRADLEY

CONSUMPTION OF SMOKE,—Independent in the consumption of t

drawn from the ashpit through the bars and over the bridge in the ordinary fills a MANUFACTURE OF IRON.—Mr. W. EVANS, of Staffordshire, the nager of ironworks, has patented an invention according to which a pudding chamber, a refining-chamber, and a melting-chamber are arranged in justice, then the pudding-chamber is situated near the figurate the pudding-chamber being at different levels, the pudding-chamber being the lowest. The pudding-chamber is situated near the first the furnace: next the said pudding-furnace is the refining-chamber; and street the furnace is the melting the said refining-chamber and the exit flue of the furnace is the melting them. The pig-iron to be made into wrought-iron is placed on the incline bed of the said refining-chamber, where it is melted by the waste heat passing through the damber and runs into the refining-chamber, where it is refined by the action of blast of air upon it. The refined iron passes by a passage to the pudding-chamber, where it is puddled in the usual way.

biasts of air upon it. The refined iron passes by a passage to the puddling class ber, where it is puddled in the usual way.

EMMA MINING COMPANY.—Mr. Alexander MacDougall writes.—
"I appeared to oppose the petition to wind-up this company on belaif of shareholders holding upwards of 23,000 shares, of whom I this I may say at least one-half were original holders. On the other hand the supporters of the petition were Mr. Askew, who was an original the supporters of the petition were Mr. Askew, who was an original shareholder of 125 shares; seven other shareholders whose name did not transpire, but whom I think I may take for granted were not original shareholders; and by no one else excepting three of the original directors—Mr. Pemberton, M.P., Mr. Anderson, M.P., and Mr. Brydges Williams, M.P.—whom it transpired had had the shares paid for them; and by Mr. Hammond, M.P., Mr. Huttz, and Mr. Commissary-General Gardiner, who, assuming to be the present directors, appeared in support of the petition, although they had applied for, and with my concurrence received, the instruction of 700 shareholders, representing over 400,000. of the capital of the company, to oppose this petition up to the Court of Appeal, and whose conduct in wheeling round when they got into Court is vernaturally described as a little curious."—The Philadelphia Correspondent of the Times (March 19) says—"The English shareholders in the Emma Silver Mining Company some time ago brought suit for damages claimed are \$5,000,000. In this suit, the defendant having been served with the complant, they determined that the plaintiffs should be asked to give security for costs, and accordingly a motion to that effect was made on March 17, before Judge Donaha, in Supreme Court Chambers. The Judge, after hearing the various affidavits on which the motion was based and the arguments of the counsel, granted the motion, and ordered the plaintiffs to give security for costs in \$5000."

VALUABLE DISCOVERY OF COAL IN THE BRAZILS.—A very superior bed of coal has be

VALUABLE DISCOVERY OF COAL IN THE BRAZILS.—A very supprior bed of coal has been discovered in the province of Rio Grande do Sul by the manager of the Sao Jeronymo Coal Mines, the property of the Imperial Brazilia Collieries Company. The coal is alleged to be quite equal to best English quality Orders have been taken for the verification of this report, and it is clear that the finding of such first-class coal would be of immense profit to Brazil.—Brazil and River Flate Mail, March 28.

GOLDENHILL COBALT, NICKEL, COLOUR, BORAX, AND CHEMICAL WORKS,
NEAR STOKE-UPON-TRENT, STAFFORDSHIRE JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINER
Purchaser of Borate of Lime and Tincal.

NICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, 16, OOZEIL STREET NORTH, BIRMINGHAM.

STEPHEN BARKER begs to inform the Trade that he has the following art cles for sale:

REFINED METALLIC NICKEL.

REFINED METALLIC BISMUTH.

OXIDE OF COBALT.

GERMAN SILVER IN INGOTS, SHEET, WIRE, &c.

NICKEL AND COBALT ORES PURCHASED.

Will be ready early in April, Parts I. and II., royal 4to., 5s. each, I N I N G E N G I N E E R I N G,
Being a PRACTICAL TREATISE ON COAL MINING.
By GEORGE G. ANDRE, F.G.-S., Mining and Civil Engineer.
completed in 12 mouthly parts, of 48 pages, illustrated by six plates of
all drawings. To be tical drawings. ndon: E. and F. N. Spon, 48, Charing Cross. New York: 44%, Broomesti

Date.		Tons	AD	rice	per	ton.	Purchasers.
March	27-Van Consols	20		£13	13	6	 _
	29-Lisburne: Glogfa	ch 14	*******	19	0	0	 Walker, Parker, and Co
	-East Darren	40	********	18	8	0	
	-Cwmystwith	10		14	0	0	ditto
	30—Plynlimmon	40	*******	15	1	0	Sheldon, Bush, and Co.
	31-Bronfloyd	25		15	16	6	 Panther Lead Co.
April	1-West Tankerville	20	*******	14	3	0	 Nevill, Druce, and Co.
		E	LE	ND	H.		
Date.		Tons				ton	Purchasers.
March	29-Talargoch	180			1.6	a	 Richardson and Co.
April	1-West Tankerville	90		0	37		 Williams binoitus Co.

BLACK TIN. Date. Mines. March 31—Penhalls Tons c. q. lb. Price per ton. Amount. Purchasers. ... 9 2 1 26 ... ___ ... £ 494 7 3—Daubus.

COPPER ORES.
Sampled March 17, and sold at Tabb's Hotel, Redruth, April 1.

	WITHGO.		LOR	9 .		LICE	9.	Mines.	- 1	OHS		T	Line	
	Crenver and	Abraham	74		£5	19	0	Wheal Basset		35		£5	3	
	ditto	***********	73		2	14	0	ditto		34		3		1
			72		3	18	6	ditto		23	*****	11	4	
ŀ			64		2	14	0	East Pool		52		2		1
I	ditto		53		2	19	0	ditto		35		3	2	1
ı	ditte	************	52		2	17	0	Carn Brea		45			16	4
Į	ditto	************	51		3	7	6	ditto					19	1
Į			49		5	1	6	St. Aubyn United				. 4	16	1
ŀ			45		3	1	6	ditto		10		9		1
ı	ditto		34		4	13	6	South Dolcoath		40		3	8	1
ı	ditto	************	33	******	2	16	6	South Carn Brea				4	17	1
ı	West Tolgus	**********	68		5	19	0	Levant				12	0	1
١	ditto	************	65		9	4	0	New Rosewarne		12		2	19	1
ı	ditto	************	58	*****	7	14	6	ditto		10	*****	7	7	1
Ì		************	57	*****	5	4	0	West Poldice	****	11		- 11	9	
l			56		5	4	0	ditto		6			15	
I	ditto		53		5	12	0	South Frances		15	*****		15	
ı	South Crofty		69		3	5	0	Phillips's Ore		7			11	
ı	ditto		61		3	11	0	Poldice					17	
l	New Pembro	oke	105		9	12	0	South Tolcarne				2	13	
۱				T	TO	AL	PI	RODUCE.						
	Crenver & Al	hen 600		20	202	14	0	South Carn Brea	22		£	160	17	
	West Tolgus	357	****	3	335	1	0	Levant		****		264	11	
	South Crofty	190	****	20	140		0	New Rosewarne		****	0.0	109		
	New Pembro	le 105	****	34	008	0	0	West Poldice		****				
	Wheal Basse		****		544		0	South Frances		****		56	5	
	East Pool				252	7	6	Phillips's Ore		****		25	0	
	Carn Brea				119	19						14	5	
ì	St. Aubyn U				108	8		South Tolcarne				13	5	
1	Genth Deles	attour de			100	0	0		0			20		

...£112 13 0 | Average produce...... it month, £116 12 0—Produce, 6%.

COMPANIES BY WHOM THE ORES		URCHASI		
Vivian and Sons	. 364	£2261	12	3
Grenfell and Sons	. 230	1697	13	6
Nevill, Druce, and Co	. 261 56	1270	8	6
Williams, Foster, and Co	. 2434	124	- 6	9
Mason and Elkington	. 26114	1193		2
Copper Miners' Company	. 9934	419	8	8
Charles Lambert	. 21916	851	11	
Sweetland, Tuttle, and Co	. 195	530	15	0
Total	1655	£8349	15	0

NO SALE on Thursday next, April 8, or Thursday week, April 18.

APRIL 3. THE A COMPANY DINAS" FIRE-OF

THE ROC DARLIN FFICES,-2,

FOR TUN

PATENT are now PREPAI and in cartridges vallable to the pu

It can be sent by Printed details tive of the comp Quarry Owners dapplication to versham, Kent. WHEA

A FEW C. WORK to the deepest level Two thousand rich mine.
One of the lode
may be seen by
For further pa THE :

Incorpo Directors to b

Mr. CHAR The object of the parish of Gv of fire-bricks an the finest fire-d. Apit has been sto be almost ine from speculation. The Devoran of transit to shi The propriet life. See the cash, binding h so per cent. on After paying it has been caul divided among it has been caul divided among the fire from the cash, binding h so per cent. on the cash binding h so per cent. On

The SHA NIGHT, but ment, imme convened for Applicatio or 10s, per sh of the compa receipt for the

To Chas.
DEAR SIR,—
forwarded to m
presents an exc
felspathic gran
valuable mater
tay, of a highl
and find its con
Sillica ...

Mr. Cha Sir,—I have re-brick equa opper furnace THE C

10, OI

This comparing, Foundati sphalte, is the moderate price-lists a

STAR Inve Ann Bonu Clair

First iss rent acco

8.5

ADLEY,
of smoke,
of first in

, and their

utton, be the h they ctions of the

very Corre-olders

t suit

wart, prise, dants

at the ingly abue, rious

AND

ER

VER

ng ari

G,

es of

d Co.

Co.

Co.

rice.

7 8

734

THE ABERCRAVE DINAS FIRE-BRICK.

THE SWANSEA DINAS FIRE-BRICK, CEMENT, AND TILE COMPANY (LIMITED) are prepared to SUPPLY the above well-known DINAS" FIRE-BRICK, for home consumption or shipment.

OFFICES,-1, PROSPECT PLACE, SWANSEA.

THE ROCK-BORING CONTRACT COMPANY.

DARLINGTON'S PATENT ROCK-BORING MACHINERY. offices,-2, coleman street buildings, moorgate

STREET, LONDON.

FOR TUNNELLING, DRIVING LEVELS, CROSS-CUTS, AND SINKING SHAFTS.

PATENT COTTON GUNPOWDER COMPANY THE

PATENT COTTON (LIMITED)

Are now PREPARED to SUPPLY their BLASTING POWDER, No. II, in bulk and in cartridges of all sizes. This Powder is superior to any Mining Explosive available to the public or known to science.

ITS MANIPULATION IS EASY.

ITS ECONOMY GREAT. ITS SAFETY ABSOLUTE.

ITS SAFETY ABSOLUTE.

It can be sent by all railways and the principal canals at gunpowder rates. Printed details and prices will be transmitted on application, and a representative of the company will attend on requisition from Mine Superintendents or quarry Owners desirons of judging of the value of this new explosive.

Application to be made to the Superintendent at the Works at Oare, near Patersham, Kent.

WHEAL GRESSON SILVER-LEAD MINE,

LAUNCESTON AND TAVISTOCK, DEVON.

FEW CAPITALISTS are invited to JOIN TOGETHER to WORK this MINE as a LIMITED LIABILITY COMPANY. sodes contain a large amount of ore at and above the 20 fm. level, which is

The lodes contain a large amount to the deepest level.
Two thousand pounds judiciously spent is considered enough to make this a rich mine.
One of the lodes is now open at surface, and producing rich stones of ore, which may be seen by parties desirous of inspecting the property.

Mr. W. D. KING, Solicitor, Camelford.

THE BURNWITHAN FIRE-BRICK AND CLAY WORKS COMPANY (LIMITED).

Incorporated under the Companies Acts, 1862 and 1867.

Capital £10,000, in 50 0 Shares of £2 each. Deposit, 10s. per share on application; and 10s. per share on allotment. No further call to be made for 12 months.

Directors to be chosen by the Shareholders at the first meeting, the qualification being 100 Shares.

NO PROMOTION MONEY WHATEVER.

BANKERS.

Messrs. TWEEDY, WILLIAMS, and CO., Redruth, Cornwall.

Messrs. GLYN, MILLS, and CO., London.

Mr. CHARLES BAWDEN, Poldice House, St. Day, Scorrier, Cornwall.

The object of this company is to develope a very extensive bed of fire-clay, in he parish of Gwennap, county of Cornwall, and to erect works for the manufacture of fire-bricks and other articles. The property embraces an area of over 8 acres of the finest fire-clay deposit that has been discovered in the county for many years, a pit has been sunk into it through clay for 40 fms. deep, thus proving the quantity obe almost inexhaustible. It will be seen from the report and analysis, made by 70f. Rowe, and also report from a brick manufacturer, that the quality is such hat will ensure a demand for any quantity, thus divesting the enterprise entirely even speculation.

has will ensure a demand for any quantity, thus divesting the enterprise entirely from speculation.

The Devoran Railway is within a distance of about 200 yards of the pit, the cost it ransit to shipping port being 1s. 9d. per ton.

The proprietor sells his interest in the lease (which is for 21 years, from the 5th September, 1814, with a further right of renewal for another term of 21 years, a royalty of 3d. per ton) for the sum of £2000, in fully paid-up shares, and £300 ash, binding himself not to sell any portion of his interest until a dividend of 0 per cent. on the paid-up capital shall have been declared.

After paying the cost of raising and making marketable the produce of the pit, has been cautiously estimated that at least 30 per cent, per annum profit will be iirided among the shareholders after the necesary kins are erected for the reception of brick, which will be accomplished in about 24x months.

The remainder of the capital (£5000) will not be called up unless the shareholders laisk it of extending the scale of operations without entrenching on the dividends.

The SHARE LIST will be CLOSED at the END of a FORT-NIGHT, but the first applicants will have the preference of allot-ment, immediately after which a meeting of shareholders will be convened for the purpose of electing directors.

Applications for shares, accompanied by cheque or Post Office Order for 10s. per share (the amount of deposit), must be made to the bankers of the company, or the Manager, who will return the usual bankers' resint for the emount. receipt for the amount.

receipt for the amount.

West Cornwall Chemical Laboratory, Redruth, Sept. 24, 1874.

To Chas. Bawden, Esq.

Dara Sir,—I beg to inform you that I have examined the sample of fire-clay forwarded to me on the 12th instant, with the following results:—The sample represents an excellent specimen of fire-brick clay, being a pigmatite or decomposed depathic grantle, free from iron stains, thoroughly disintegrated, and is indeed a missable material, when properly treated, for the production of fire-bricks and fire-day, of a highly refractory character. I have made a chemical analysis of the clay, and find its composition to be as follows:—

Silica 75-73

Water 9-00

Alumina 9-96

(Signed) 8. T. ROWE.

Copy of a Report from Mr. Jas. Howell, Swansea.

Fire Flick and Terra-Cotta Works, Mile End Pottery,

Mr. Chas. Bawden:

Landore, near Swanzea, Sept. 10, 1874.

Mr. Chas. Bawden:

Mr. Jas. Howell, Swanzea,

Mr. Jas.

THE CHAPPAPOTA ASPHALTUM COMPANY (CLARK'S PATENT).

10, CRAVEN BUILDINGS, DRURY LANE, LONDON, W.C. GEORGE CLARK, MANAGER. CITY OFFICE,—139, CANNON STREET, E.C. W. H. BECK, ENGINEER AND SURVEYOR.

This company undertakes the execution of Asphaltum Paving, Flooring, Rooflig, Foundation Courses, and all other kinds of asphate work with their PATENT
EPHALTUM MASTIG, warranted not to crack from cold or vibration, or to
side at any atmospheric temperature. The asphalting material of this company
squal to the best rook asphaltes, and considerably cheaper. It is entirely free
how the defects of Brittah and other imitation asphaltes, of which pitch, and not
buildle is the basis. The company curantees some work with perfect climits.

ds. The company guarantees sound work, with perfect joints is moderate prices.

Price-lists and full particulars may be obtained at the above offices.

STAR LIFE ASSURANCE SOCIETY, 48, MOORGATE STREET, LONDON, E.C. Invested Funds£1,216,115 Bonuses Apportioned 581,774

COPIES of the REPORT, BALANCE SHEET, and PROSPECTUS, with all librarion, forwarded on application to— W. W. BAYNES, Secretary.

CO-OPERATIVE CREDIT BANK,

MANSION HOUSE CHAMBERS, 12, QUEEN VICTORIA STREET, E.C. First issue of capital: £500,000, in subscriptions of £10 and upwards.

Interest in lieu of dividend 18 per cent. per annum, paid monthly. at accounts opened, and 5 per cent, interest allowed on the minimum monthly balances.

CHEQUE BOOKS SUPPLIED. The Bank transacts every description of sound financial business

For particulars apply to-

R. B. OAKLEY, Manager.

IMPORTANT SALE OF VALUABLE PLANT AND MACHINERY, CORN MILL, OFFICE AND OTHER FURNITURE, MILNER'S SAFE, OFF GOING TENANT'S SHARE OF GROWING WHEAT

And other Effects, at
THE TRELOGGAN LEAD MINE,

About four miles from Holywell, Flintshire, and about three miles from Mostyn Station, on the Chester and Holyhead Railway.

MESSRS. CHURTON, ELPHICK, AND CO. beg to announce that they have been favoured with instructions from the Treloggan Lead Mining Company (Limited), TO SELL, BY AUCTION, on Thursday and Friday, April 8 and 9, 1875, commencing at Twelve o'clock noon punctually, the WHOLE of the VALUABLE

April 8 and 9, 1875, commencing at Twelve o'clock noon punctually, the WHOLE of the VALUABLE

PLANT AND MACHINERY,

Comprising a superior (nearly new) CONDENSING PUMPING ENGINE, working 6 ft. stroke, with the most recent improvements; TUBULAR BOILER and fittings, 6 ft. diameter by 30 ft. long; a 12 in. PORTABLE ENGINE, with link motion and winding gear; massive crushing mill; driving shafts for jiggers; horse whim cages with whim chains; excellent corn mill; crab winches; weighing machine by Hodgson and Stead, to weigh 8 tons; sundry lengths of iron shafting; pulleys; wood air pumps; iron and steel wire ropes; iron winding rope; wrought iron and wood cisterns; kibbles and ladders; several capital pulley blocks, pulley sheaves, and hames; pit head; shear legs, 40 ft. high; a quantity of \$9, 912, and 24 in. pumps; windbores; working barrels; clack pieces; plunger poles and cases; match pieces; the contents of the dressing floors and the carpenters' and smiths' shops; a quantity of bar iron, scrap iron, steel, screw bolts, strapping plates; two pans; cart wheels; a quantity of rores and chains; iron buckets and clack; bucket rods; sundry timber; several suits of mining clothes; miners' shovels; an assortment of officeand other farniture; Milner's safe; copying press, &c.; together with the off-going tennat's one-half share of 21½ acres of growing wheat on the Perthymaen Farm.

Luncheon will be on the table each day at Eleven o'clock.

N.B.—Catalogues may be had at the offices of the Auctioneers, Chester; and Whitchurch, Shropshire.

DERBYSHIRE.

VALUABLE BEDS OF COAL AND OTHER MINERALS, situate under lands in the parishes of SOUTH NORMANTON and PINXTON, near ALFRETON, in the county of DERBY, containing together 235 A. 2 R. 39 P., or thereabouts, TO BE SOLD, BY AUCTION, BY

MR. JOHN MANGER POTT (with the approbation of His Honor the Vice-Chancellor, Sir RICHARD MALINS, the Judge to whose Court the Cause of Wilkinson v. Cox is attached), at the Mart, Wheeler Gate, Nottingham, on Wednesday, the 21st day of April, 1875, at Three for Four o'clock in the afternoon, in Two Lots, the above-mentioned

BEDS OF COAL AND OTHER MINERALS.

BEDS OF COAL AND OTHER MINERALS.

Lot 1 comprises "The Normanton Common or Waterloo Coal," "The Deep Soft Coal," "The Deep Hard Coal," "The Furnace Coal," "The Three-quarters Coal," and "The Black Shale Coal," lying under lands situate in the parishes of South Normanton and Pinxton, in the county of Derby, containing together 235 A. 2 R. 39 P., or thereabouts.

And also all other Beds of Coal, and Beds, Seams, or Strata of Ironstone, lying above the said Black Shale Coal under the same lands.

The above are leased for 80 years from the 1st January, 1864, at a standing sent of £550 per annum, payable half-yearly, and subject to the provisions of such lease.

And also all other Beds or Seams of Coal and Ironstone under the same lands, and below the Black Shale Coal, and not included in the above, and known as "The Kilburn Seam," together with all underlying seams, including "The Belper Dally," and Alton Seams.

Particulars and conditions of sale may be obtained of Messrs. Grover and Humphreys, Solicitors, 4. King's Bench Walk, Inner Temple; Messrs. Alderider and Thorn, Solicitors, No. 31, Selford-row; and Messrs. TaxLor and Co., Solicitors, 28, Great James-street, Bedford-row; and Messrs. TaxLor and Co., Solicitors, 28, Great James-street, Bedford-row, London; of J. SMITH, Esq., Solicitor, No. 11, FILIT, Esq., Solicitor, No. 10, The Messrs. Algeriam; and the Auctioneer, 23, Cockspur-street, London, or Eldon Chambers, Wheeler Gate, Nottingham:

COUNTY OF CARMARTHEN, PARISH OF LLANDILO. TO TIMBER MERCHANTS, CONTRACTORS, COLLIERY PROPRIETORS, CHEMICAL MANUFACTURERS, AND OTHERS. HIGHLY IMPORTANT AND EXTENSIVE SALE OF

TIMBER TREES, PITWOOD, AND POLES.

R. J. HOWELL THOMAS has been favoured with instructions
TO SELL, BY AUCTION, at the Castle Hotel, Llandile, on Tuesday, the
20th day of April, 1875, in 12 lots, SEVERAL GROVES of exceedingly fine OAK,
POPLAR, ASH, ALDER, ELM, and other TIMBER TREES and POLES, now
standing and growing on Llandile Lands, Crug, Gurrey Demesne, Cefn Tir Esgob,
Soyborwen, Cae Garw, Carreg Cenir, Cennen Tower, Tir-mawr Cwm Cib, Troedyrhiw, and Cliwaynedd Farms, and Cefneced and Tir Glancennin Farms, in the
parish of Llandebie.

rhiw, and Cliwaynead Farms, and Cenecoca and An Comparish of Llandebie.

The Woodward at Glancyrch, Llandilo, will show the lots, the whole of which are most conveniently situate for haulage over excellent roads, and within short distances of the Llandilo, Fairiach, and Derwydd Road Stations, on the London and North-Western and Llanelly and Llandilo Railways.

Detailed particulars may be obtained of Mr. J. Howell Thomas, Land Agent and Valuer, Carmarthen.

Sale to commence at One o'clook.

THE COMPANIES ACTS, 1862 AND 1867. IN THE MATTER OF THE CEFN BRWYNO MINING COMPANY (LIMITED). IN LIQUIDATION.

(LIMITED). IN LIQUIDATION.

MR. J. J. PYNE, the Liquidator of the above company, INVITES TENDERS for the PURCHASE of the WHOLE of the PROPERTY belonging to the said company, comprising the valuable LEASE and extensive PUMPING and DRESSING MACHINERY, worked by three water-wheels, of 45 ft., 36 ft., and 34 ft. diameter.

The property is situated nine miles from the shipping port of Aberystwith, and is surrounded by some of the richest mines in Cardigarshire, viz.—Base Darren, South Darren, and Goginan to the north, the Lisburne Mines to the south, the South Powell Consolidated to the east, and Tyllwyd to the west.

The mine is sunk to a depth of 107½ fathoms from surface, the lode principally wrought upon being from 3ft. to 3ft. wide, and the deposits of ore extending for upwards of 200 fms. long, worth from 15 ewts, to 2 tons to the fathom; during the past seven years 1000 tons of lead have been sold, realising £12,500, and 200 tons of blende for £650.

Orders to inspect the mine and the leases, also full inventory of plant and machinery, with all other particulars, may be obtained from the Liquidator, to whom tenders must be addressed on or before Monday, the 3rd day of May next, and who does not bind himself to accept the highest or any tender.

Dated this 2nd day of April, 1875.

6, Bishopsgate-street Without, London, E.C.

TO BE SOLD, BY PUBLIC AUCTION, within the office of the Subscriber, No. 80, Remfield-street, Glasgow, on Tuesday next, the 8th day of April, at Two o'clook in the afternoon, the RIGHT to the LEASE, of 21 years, of the PROPERTY situated at QUITHER, parish of MILTON ABBOT, DEVONSHIRE, belonging to the QUITHER MANGANESE MINING COMPANY (LIMITED).

THE COMPANIES ACTS, 1862 AND 1867. IN THE MATTER OF THE PHŒNIX SILVER LEAD MINING COMPANY (LIMITED).

(LIMITED).

THE LIQUIDATOR of the above named company invites
TENDERS for the PURCHASE of the WHOLE of the PROPERTY belonging to the said company, comprising the company's interest in the leases of the
VALUABLE MINES known as the PHCNIX SILVER-LEAD MINES, situate
in the parish of Perranzbuloe, in the county of Cornwall, which have been extensively developed; together with the whole of the valuable plant and machinery,
comprising:—;

sively developed; together with the whole of the values of the states of the comprising of the comprising of the complete.

26 inch cylinder PUMPING ENGINE, with one 11 ton BOILERS.

26 inch cylinder STEAM WINDING ENGINE, with CAPSTAN and 10 ton BOILER complete.

26 inch CORNISH CRUSHER complete.

A very large quantity of valuable PUMPS and PITWORK.

All the underground MACHINERY, RAILS, TRAMS, &c.

The omiplete MACHINERY on surface and DRESSING APPARATUS, BUILDINGS, STOREHOUSES, WORKSHOPS, STABLES, &c.

The mingan have been opened to a great extent, and considerable quantities of

The mines have been opened to a great extent, and considerable quantities of e sold, and they are supplied with all the necessary machinery for further depment.
sinders addressed to the Liquidator must be sent in at once.
ermission to inspect the mines and the leases, together with full inventory of
it and machinery, conditions of sale, and all other particulars may be obtained plant and machinery, conditions of so of the Liquidator. 25, Bucklersbury, London, E.C.

COLLIERY NEAR SHEFFIELD.

FREDERICK WARWICK.

A VALUABLE COAL FIELD, comprising about TWO HUNDERD AND FIFTY ACRES of UNGOT COAL of the BARNSLEY TOP HARD SEAM, 6 feet thick, and about 70 yards from the surface, with FOUR SHAFTS ready sunk. Can be secured on very favourable terms. Distance about eight miles from Sheffield, with excellent communication by canal, rail, and road.

For further particulars, and to treat, apply to BROOMHEAD, WIGHTMAN, and MOORE, Solicitors, Bank Chambers, George-street, Sheffield.

FINE OPPORTUNITY FOR MAKING A FORTUNE. FINE OPPORTUNITY FOR MAKING A FORTUNE,

TO BE SOLD, PART OF ENTIRE (former preferred) of a

COLLIERY ROYALTY, of about 170 acres, in NORTH WALES. The
pit is sunk 40 yards deep to the seam containing the best description of Cannel.
There are six other seams of good coal (the first being King Coal, only 14 yards
under 10 known to be beneath this seam. Its situation being half a mile from a
railway station, and also admirably adapted for land sale, close to excellent roads,
the working expenses, royalty, rent, and outlay small for a probable get in a few
weeks of 40 tons daily at an almost fabulous profit, render the present undertaking
one well worthy the immediate attention of capitalists, coal dealers, gas manufacturers, or colliery proprietors.

Address, "Q. E. D.," care of Mr. Watson, 15, Fenwick-street, Liverpool.

O N S A L E. BY PRIVATE TREATY, FIVE UNDIVIDED COAL, known as the PRINCE ALBERT COLLIERY,

PRINCE ALBERT COLLIERY,
Situate in the Forest of Dean, Gloncestershire.
Of the veins of coal included in this gale, the Yorkley, Whittington, and Coleford High Delf veins extend throughout the whole area of the property, which comprises about 514 acres, estimated. The Brazilly vein, which lies above these, and crops out upon the property, occupies an area of about 190 acres. The No Coal vein, above the Brazilly, but of less extent, is also included in the grant.
The property is situate about two miles from Coleford and seven miles from Lydney, and the main line of the Severn and Wye Railway runs through the property.

Lydney, and the main line of the Severn and way main through the property.

The coal is at present unopened, and is held under a grant of 17th December, 1844, which reserved a galeage rent of 1d. per ton, with a yearly minimum payment of £15. The gale rent has been refixed for 21 years, from 24th June, 1866, a 2d. per ton, and a yearly minimum of £50. These minimum rents have been paid, and will be allowed to be worked off before any surplus royalty above the present annual minimum rent is paid to the Crown.

Further particulars may be had of Mr. Robert Jackson, Solicitor, Rochdale, Lancashire.

TO BE SOLD, the HALF-SHARE and INTEREST in a CHINA CLAY SETT in CORNWALL. Price £1350.

Apply, for further particulars, to Mr. James Saunders, Metal Broker, No. 64, Darlington-street, Wolverhampton.

TO BE SOLD, BY PRIVATE TREATY, A VALUABLE COLLIERY, consisting of a TRACT of COAL, called FARMER'S FOLLY COAL LEVEL,

Situate between Hiller's Land and English Bicknor, in Her Majesty's Forest of Dean, in the county of Gloucester, together with the PLANT for working the same. The property is let upon lease, which will expire on the 25th of December, 1887, and the lease is bound to pay a roy alty of £150 per annum at the least. For particulars, apply to Mr. JAMES LEAKE, Solicitor, Shifnal, Salop.

ANTIMONY MINING PROPERTY FOR SALE.

A VALUABLE PROPERTY, with large deposits of very rich
ANTIMONY ORE, TO BE SOLD, PART or ENTIRE.

Address, "D. G.," MINING JOHNAL Office, &F. Fleet-street, E.C.

CORNISH ENGINES.

ONE excellent 70 in. CORNISH PUMPING ENGINE, 10 ft. stroke, with metallic piston, with or without three boilers, 13 tons each, with fittings.

ONE good 72 in. CORNISH BEAM ENGINE, 10 ft. stroke, with inverted

NINGER.
ONE superior 50 in. CORNISH PUMPING ENGINE, 10 ft. stroke.
ONE first-class 28 in. WINDING ENGINE, 6 ft. stroke, sultable for a colliery,

with drum.

ONE very good 20 in. horizontal WINDING ENGINE, 10 ft. stroke, suitable for a colliery,

ONE very good 20 in. horizontal WINDING ENGINE, 10 ft. stroke

PUMPWORK of all sizes; CORNISH CRUSHERS; BOLLERS from 6 to

12 tons; and a LARGE STOCK of MATERIALS in general use in mines.

Apply to F. W. MICHELL and Co., Mine Material Depôt, East Carn Bres, Redruth, Cornwall.

TO CAPITALISTS.

TO CAPITALISTS.

FOR SALE,—IN NEW SOUTH WALES,—
1340 ACRES TIN LANDS,—Lode and Stream,
2430 ACRES COPPER LANDS (portions freehold).
2112 ACRES IRON AND COAL.
2250 ACRES ROAL (inland, on railway line).
200 ACRES EOAL (inland, on railway line).
200 ACRES EVIUMBAGO.
105 ACRES FLUMBAGO.
105 ACRES FLUMBAGO.
The above properties are all first-class, and on or near railway lines or wats carriage, and are the very "pick" of their respective districts (being some of the first selections made).
Liberal terms, either as to purchase or working on royalty, w be given to parties able to carry out arrangements.
Apply to the owner,—
CHARLES W. WEEKES, Circular Quay, Sydney, N S.W.

POR SALE, ONE PAIR of horizontal direct-acting double action condensing PUMPING ENGINES; cylinder, 35½ in. diameter, 36 in. stroke; pumps, 21½ in. diameter, 36 in. stroke; fly-wheel, 14 ft. diameter; about 12 tons. Will lift 2800 gallons a minute 150 ft. high. Have been very little used. For further particulars, aidress, Mr. W. P. France, Priory Lodge, Peckham.

TANK LOCOMOTIVES, double 9 in., cheap, strong, and well in sheel; portable ENGINES, from 4 to 30 horse power-always ready, or and BOILERS, of improved design. LEWIN, POOLE WORKS, DORSET.

PIT SINKING, WINDING COAL, &c. PIT SINKING, WINDING COAL, &c.

POR SALE, and ready for immediate delivery, 14, 18, 25, and 35 horse power HORIZONTAL, FORTABLE, SEMI-PORTABLE, and VERTICAL STEAM ENGINES, with link motion reversing gear, winding drums, pumping gear, &c., complete.

Also, MORTAR MILLS, COMBINED ENGINES and MORTAR MILLS, 5AW TABLES, PIT PULLEYS, &c., &c.

FOR SALE,—An excellent second-hand PORTABLE STEAM ENGINE; and a 7-ft. PAN MORTAR MILL.

Apply to—
BARROWS AND STEWART, ENGINEERS, BANBURY.

ON SALE, TWO CORNISH BOILERS, 30 ft. by 7 ft. diameter.

Two flues through each. Safe at 60 lbs. pressure working.

Apply to HENRY PARKINSON, Foundry-street, Bolton.

ON SALE, ONE PAIR of 18 in. high pressure HORIZONTAL ENGINES, for winding, fitted with slot link motion. First-class pair • ngines.
Apply to Henry Parkinson, Foundry-street, Bolton.

ON SALE, ONE PAIR of 15 in, HORIZONTAL WINDING ENGINES, with slot link motion. Will be sold cheap.

Apply to Henry Parkinson, Foundry-street, Bolton.

ON SALE, ONE 25-horse power double cylinder PORTABLE ENGINE, fitted with slot link motion for winding.
ONE 20-horse power double cylinder PORTABLE ENGINE.
Will be sold cheap, and are in first-class order.
Apply to HENRY PARKINSON, Foundry-street Boiler Works, Bolton, Lancashire

ON SALE, ONE 8-horse power PORTABLE ENGINE, fitted up with winding drum; slot link motion; made by Clayton and Shuttle-worth. Price £130. Apply to HENRY PARKINSON, Foundry-street, Bolton.

ON SALE, ONE PAIR of 25-in. coupled HORIZONTAL WIND-ING ENGINES, with drums and brake gear. Also, ONE PAIR of 22 in, ditto. Will be sold cheap. Apply to HENRY PARKINSON, Foundry-street, Bolton.

On SALE, ONE STRONG WELL-BUILT CONDENSING BEAM ENGINE, by a first-class maker, equal to new; cylinder, 36 in. bore, 5 fb. stroke. Can be seen standing, and will be sold cheap.

ONE close built self-contained CONDENSING BEAM ENGINE, stands on independent bed on six columns; cylinder, 28 in. bore, 4 ft. stroke. As good so new. Can be seen standing, and will be sold cheap.

Apply to Henry Parkinson, Foundry street, Bolton.

BOILERS ON SALE.—FOUR GALLOWAY'S PATENT
BOILERS, 30 ft. by 7 ft., safe to work at 70 lbs. on the square inch.
TWO BOILERS, 28 ft. by 7 ft., with two flues through.
TWO BOILERS, 20 ft. by 7 ft., two flues through.
ONE BOILER, 20 ft. by 7 ft., two flues through.
ONE BOILER, 30 ft. by 5 ft., two flues through.
Also, several smaller sizes.
Apply to HENRY PARKINSON, Foundry-street, Bolton.

ON SALE, ONE 16 forse power double cylinder PORTABL BENGINE, for winding.

ONE 12-horse power PORTABLE ENGINE.
ONE 8-horse power PORTABLE ENGINE.
ONE 8-horse power PORTABLE ENGINE.
ONE 6-horse power PORTABLE ENGINE.
Equal to new, and will be sold cheap.
Apply to HENRY PARKINSON, Foundry-street, Bolton.

ON SALE, ONE PAIR of 25-in, HORIZONTAL WINDING ENGINES.
ONE PAIR of 18 in, HORIZONTAL WINDING ENGINES.
ONE PAIR of 18 in, HORIZONTAL WINDING ENGINES.
ONE PAIR of 16 in, HORIZONTAL WINDING ENGINES.
ONE PAIR of 15 in, HORIZONTAL WINDING ENGINES.
ONE PAIR of 12 in, HORIZONTAL WINDING ENGINES.
ONE PAIR of 10 in, HORIZONTAL WINDING ENGINES.
ONE PAIR of 10 in, HORIZONTAL WINDING ENGINES.
ONE PAIR of 7 in, HORIZONTAL WINDING ENGINES.
The above engines are now ready for delivery, and fitted with winding drums and brake gear to each pair of engines.
Apply to Herry Parkinson, Foundry-street, Bolton.

LATEST EDITION OF MITCHELL'S ASSAYING.
Just published, in 8vo., with 199 woodcuts, price 31s. 6d.

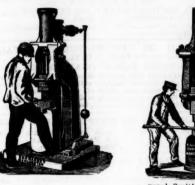
MANUAL OF PRACTICAL ASSAYING,
By JOHN MITCHELL, F.C.S.
Fourth Edition, in which are incorporated all the recent valuable improvements
in Assaying made in this country and abroad, including Volumetric and Colorimetric Assays, and the Blowpipe Assays. Edited and for the most part re-written by WILLIAM CROOKES, F.R.S., &c.

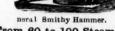
London: Longmans, Green, and Co., Paternoster-row.

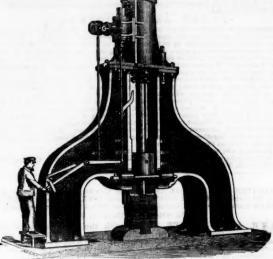
B. & S. MASSEY, OPENSHAW, MANCHESTER.

PRIZE MEDALS AWARDED:-Paris, 1867 Havre, 1868; Highland Society, 1870; Liverpool, 1871; Moscow, 1872; Vienna, 1873. SPECIAL STEAM STAMPS, of great importance for Forging, Stamping, Punching, Bolt-making, Bending, &c. STEAM HAMMERS for Engineers, Machinista, Sipbuilders, Steel Tilters, Millwrights, Coppersmiths, Railway, criage and Wagon Builders, Colliery Proprietors, Ship Smith, Bolt Makers, Cutlers, File Makers, Spindle and Flyer Maker, Spade Makers, Locomotive and other Wheel Makers, &c; &c, and for Use in Repairing Smithies of Mills and Works of all indigent for straightening Bars, bending Cranks breaking Pig-iron, &c.

Patentees and Makers of Double and Single-acting STEAM HAMMERS of all sizes, from ½ cwt. to 20 tons, with self-acting or hand motions, in either case giving a persectly DEAD BLOW, while the former may be worked by hand when desired. Large Hammers, with Improved Framing, in Cast or Wrought Iron. Small Hammers, working up to 500 blows per minute, in some cases seing worked by the Foot of the Smith, and not requiring eparate Driver.







From 60 to 100 Steam Hammers and Steam Stamps may usually be seen in construction at the Works.



COPPEE COKE OVENS.

Complete information respecting these

PATENT COKE OVENS

may be obtained from the

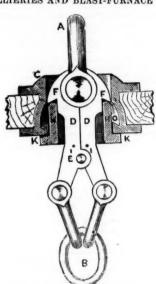
COPPEE COKE COMPANY (LIMITED).

94, GRACECHURCH STREET, LONDON, E.C.

OVERWINDING IMPOSSIBLE.

WALKER'S DETACHING HOOK, Steam Engines

FOR COLLIERIES AND BLAST-FURNACE HOISTS.



SIX LIVES SAVED.

Walker's Hook, at Tockett's sinking, has saved six men's lives On the 6th instant, the kibble was overwound, and but for the hook would have fallen down the pit, where six men were working, 120 ft. below, all of whom would probably have been killed. Thanks, however, to Mr. Walker's invention, the rope alone passed harmlessly over, the kibble remained suspended, and in half-an-hour everything was working as if nothing had occurred.—From the Northern Echo August 20, 1874.

Full particulars may be obtained from the Manufacturers,—

THOMAS WALKER & SON, 58, OXFORD STREET, BIRMINGHAM

TO COLLIERY PROPRIETORS, MINING ENGINEERS, &c.



Hadfield's Steel Foundry Company, MANUFACTURERS OF EVERY DESCRIPTION OF

Fingers, &

CRUCIBLE CAST STEEL CASTINGS ATTERCLIFFE, SHEFFIELD

BARROWS & STEWART,

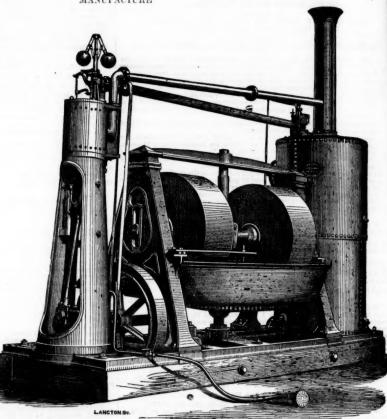
BANBURY, ENGINEERS,

PORTABLE

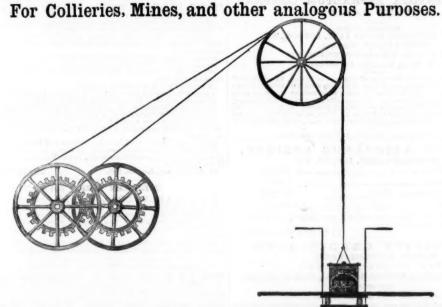
With Gear for Winding, Pumping, and Ore Crushing.

ALSO,

COMBINED MILLS and ENGINES, with or without BOILERS, for Grinding Cinders, Sand, Mortar, &c.



WILSON'S PATENT WINDING



The ADVANTAGES of this Patent is to ECONOMISE the WEAR and TEAR of the ROPES and MACHINERY used in drawing or lowering weights in Mines, or any other similar purposes.

At a mere nominal cost this patent can be applied to any or every Mine now in operation, while its application to any new plant will scarcely make any difference in time or cost.

Applications for Licence to use the said Invention can be made to the Patentes.

R. WILSON, PHENIX WORKS, ROTHERHAM.
Full particulars on application can be had as to terms, drawings; &c., &c.

FOR BL

APRIL 3

Nobel Is the CHI

blasting in BLOCKS of ITS SA its GIANT As a SU For infor

Lond

TH

Makes

For pr 2, CO

SPECI

THE

MANU TOOL

TUCK

BOR

MANL G:

DYNAMITE

FOR BLASTING PURPOSES, can now be supplied in packages, containing 50 lbs. each, for export to any part of the World.

Nobel's Dynamite, or Safety Giant Blasting Powder,

Is the CHEAPEST and MOST POWERFUL EXPLOSIVE for every kind of MINING and QUARRYING OPERATIONS; for blasting in hard or soft, wet or dry ROCKS; for clearing land of TREE ROOTS and BOULDER STONES; for rending massive BLOCKS of METAL; for SUBAQUEOUS and TORPEDO purposes; and for recovering or clearing away of WRECKS, &c. LOCKS of METAL; for SUBAQUEEN ABSENCE OF ACCIDENTS in transit and storage; it is insensible to heavy shocks, ITS SAFETY is evidenced by the control of the contr its GIANT POWER being only fully detected in the state a powerful percussion detonator, and hence its great safety.

As a SUBSTITUTE FOR GUNPOWDER its advantages are the GREAT SAVING OF LABOUR, rapidity and INCREASE OF WORK done, FEWER and smaller BORE-HOLES required, greater depth blasted, safety in use NO DANGER

FROM TAMPING, absence of smoke, unaffected by damp, &c. For information, apply to the-

BRITISH DYNAMITE COMPANY (LIMITED), GLASGOW; London Export Office, 85, GRACECHURCH STREET, LONDON, E.C.

THE DARLINGTON ROCK BORER.

PATENTED IN GREAT BRITAIN, PRUSSIA, FRANCE, AND VARIOUS CONTINENTAL COUNTRIES.

Makes 300 to 1000 Blows per Minute, as may be required without Valve or Complicated Gear.

DRIVEN WITH STEAM OR COMPRESSED AIR. SPECIALLY SUITABLE FOR RAILWAY, QUARRY, AND MINE WORK.

For price and particulars, apply to-

JOHN DARLINGTON, 2. COLEMAN STREET BUILDINGS, MOORGATE STREET, LONDON

MINING MACHINERY AND TOOLS. THE TUCKINGMILL FOUNDRY COMPANY

85. GRACECHURCH STREET, LONDON, E.C. WORKS: TUCKINGMILL.

MANUFACTURERS of every description of MINING MACHINERY, TOOLS, MILLWORK, PUMPING, WINDING, & STAMPING ENGINES. SOLE MAKERS OF

BORLASE'S PATENT ORE-DRESSING MACHINES AND PULVERISERS. PRICE LISTS CAN BE HAD ON APPLICATION, AND

SPECIAL QUOTATIONS WILL BE GIVEN UPON INDENTS AND SPECIFICATIONS.

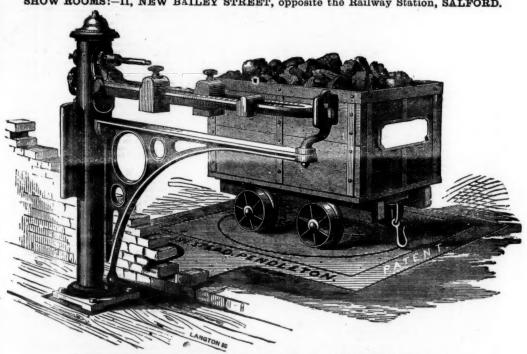
TUCKINGMILL FOUNDRY AND ROSEWORTHY HAMMER MILLS

TUCKINGMILL, CORNWALL, AND 85, GRACECHURCH STREET, LONDON, E.C.

(Late of the Firm of HODGSON and STEAD),

MANUFACTURER OF WEIGHING MACHINES, WEIGHBRIDGES, AND ALL DESCRIPTIONS OF WEIGHING PLANT FOR ALL NATIONS.

GLOBE FOUNDRY, PENDLETON, MANCHESTER, SHOW ROOMS:-11, NEW BAILEY STREET, opposite the Railway Station, SALFORD.



NEW PATENT WEIGHING MACHINES, specially for Mining Uses. Globe Foundry is One Minute's Walk from the Pendleton Bus Office, and Four Minutes' from Pendleton Rauway Station.

VARLEY & YEADON, COLLIERY & BRICK-MAKING ENGINEERS,

Manufacturers of WINDING, HAULING, and PUMPING ENGINES, Boilers and Fittings, Steam Piping, Donkey Pumps, Lift
Pumps, Perforate I Clay and Mortar Mills, Brick Presses, Pug Mills, Round and Flat Rope, Pit-head Pulleys, Wrought-iron Head
Gear, ROOFS and GIRDERS, Kibbles, ONE, TWO, and THREE-DECK CAGES, COAL TIPPING and SCREENING APPARATUS,
VENTILATING FANS, TUBBING, GIRDERS, PILLARS, POINT PLATES. Steam or other Cranes, Crabs and Windlasses, Madines for Cutting Stone, &c. nes for Cutting Stone, &c.

CROWN POINT FOUNDRY, LEEDS.

MINERS'

GAUZE MANUFACTORY,

JOSH. COOKE AND CO. J.C. SAFETY LAMPS



MADE to DRAWING, DESCRIPTION, or MODEL. Illustr Price Lists free, by post or otherwise.

LUABLE TESTIMONIALS FROM EMINENT FIRMS. MIDLAND DAVY LAMP WORKS, 20, &c., LOWER LAWLEY STREET,

BIRMINGHAM.

be seen at the INTERNATIONAL EXHIBITION, Kensington Gore, CLASS XIV., DIVISION 3, No. 6905.

LOCOMOTIVE TANK ENGINES

FOR MAIN LINE TRAFFIC, SHORT LINES COLLIERIES CONTRACTORS, IRONWORKS, MANUFACTORIES, &c., from a superior specification, equal to their first-class Railway Engines, and specially adapted to the contract of the contract of

MESSRS. BLACK, HAWTHORN, AND CO., LOCOMOTIVE, MARINE, AND STATIONARY ENGINE WORKS, GATESHEAD-ON-TYNE.

RAILWAY CARRIAGE COMPANY (LIMITED).— ESTABLISHED 1847. OLDBURY WORKS, NEAR BIRMINGHAM.

MANUFACTURERS of RAILWAY CARRIAGES and WAGONS, and EVERY DESCRIPTION of IBONWORK.

Passenger carriages and wagons built, either for cash or for payment, over a period of years. RAILWAY WAGONS FOR HIRE.

CHIEF OFFICES,—OLDBURY WORKS, NEAR BIRMINGHAM. LONDON OFFICES,—7, GREAT WINCHESTER STREET BUILDINGS.

THE BIRMINGHAM WAGON COMPANY (LIMITED)
MANUFACTURE RAILWAY WAGONS of EVERY DESCRIPTION, for
HIRE and SALE, by immediate or deferred payments. They have also wagons
for life capable of carrying 6, 8, and 10 tons, part of which are constructed specially for shipping purposes. Wagons in working order maintained by contract.

EDMUND FOWLER, Sec.

WAGON WORKS,-SMETHWICK, BIRMINGHAM. *_* Loans received on Debenture; particulars on application

THE PATENT SELF-ACTING MINERAL DRESSING MACHINE COMPANY (LIMITED).

T. CURRIE GREGORY, C.E., F.G.S.
OFFICES,-150, ST. VINCENT STREET, GLASGOW.

IMPORTANT NOTICE TO MINE PROPRIETORS.

This company grant licenses, under their patents, for the use, singly or in combination, of the most approved machinery for dressing ores, comprising Stamps Jiggers, Classifiers, and Buddles.

MR. GEORGE GREEN, Mechanical Engineer to the above Company, SUPPLIES MACHINES under the above Company's Patents for DRESSING all METALLIC ORES. Dressing-floors having these Machines possess the following advantages:—

1.—They are cheaper than any other kind in first outlay.

2.—From 60 to 70 per cent. of the labour is saved.

3.—Only about one-fourth of the space usually occupied by dressing-floors is required.

required.
4.—The ore is made clean at one operation, and 5 per cent. of ores otherwise lost

Drawings, specifications, and estimates will be forwarded on application to— GEORGE GREEN, M.E., ABERYSTWITH, SOUTH WALES.

EXTRACTS FROM TESTIMONIALS RECEIVED:

EXTRACTS FROM TESTIMONIALS RECEIVED:—

Mr. C. E. BAINBRIDGE, of the London Company's Mines, Middleton-in-Teesdale, by Darlington, writing on the 27th September, 1873, says—"After a full season's experience of the very complete Dressing Machine erected by you at our Colberry Mines, we are fully satisfied with our decision to adopt your patents in preference to all others. The machinery does its work as well as we can desire, and better than we anticipated. We are now getting through 70 tons of orestuff per day, of rich quality. Without your machinery we should have been at a stand still, for we cannot get hands to supply our wants elsewhere. It saves fully one half of the old wages, and vastly more on the wages we now give, and the saving in ore is not much short of 10 per cent. You can quote from this letter as you think proper."

Mr. COULTAS DODSWORTH, of Haydon Bridge, writes, on the 15th Mr. COULTAS DODSWORTH, of Haydon Bridge, writes, on the L9th January, 1874;—"I have just returned from the Stonecroft and Greyside Mines, where I have seen your 'Patent Ore Dressing Machinery' at work, with which I unust say, I was highly pleased. It is decidedly the best machinery I have ever seen for the purpose, the results being as near perfection as possible, and I am quite sure its use in this case will be a very great saving to the company. No large mining establishment should be without your machinery, especially when labour is difficult to procure—a mere fraction of the hands being only required as against the old system, and the work altogether much better done, and a great saving of ore effected. I have leard it said that your machinery is better adapted for poor than for rich ores, but from what I have seen to-day I am quite confident it will do for any kind of ores. I be not only to congratulate, but also to compliment, you on the great success of your 'Patent Ore Dressing Machinery.' You may use this letter as you think proper."

Mr. MONTAGUE BEALE, Managing Director of the Cagliara Mining Company (Limited), says, on May 15th, 1873:—'I have much pleasure in speaking of the great efficiency of your 'Patent Dressing Machinery,' as erecled by you at our mines at Rossa, in the Island of Sardinia. You will remember it has always been considered impossible to dress, or rather separate, the minerals cur ores contain by machinery, but our captain assures me he gets a constant return of 76 per cent. of lead with the greatest ease, and I know by the returns we are realising the best market price. I consider this company is much indebted to you for the success you have achieved at so small cost. It may interest you to know, from my experience in several of the British possessions, including the whole of the Austra lian Colonies, that my opinion is I have never seen any dressing machinery that can efficiently, and at so small a cost, dress, and separate metallic ores, however close the mechanical mixture may be, as yours. You can use this letter in any way you like."

The most satisfactory testimonials also have been received from the GREENSIDE MINE COMPANY, Westmoreland: the Talargoon Mining Company, North Wales, and others. Copies of these may be had from Mr. GREEN.

THOMAS TURTON AND SONS,

MANUFACTURERS OF CAST STEEL for PUNCHES, TAPS, and DIES TURNING TOOLS, CHISELS, &c. CAST STEEL PISTON RODS, CRANK PINS, CON NECTING RODS, STRAIGHT and CRANK AXLES, SHAFTS and

FORGINGS OF EVERY DESCRIPTION.

DOUBLE SHEAR STEEL | FILES MARKED
RUSTER STEEL | T II R T O

SPRING STEEL, GERMAN STEEL. WM. GREAVES & SON Locomotive Engine, Railway Carriage and Wagon Springs and Buffers.

SHEAF WORKS AND SPRING WORKS, SHEFFIELD. LONDON WAREHOUSE, 35, QUEEN STREET, CANNON STREET, CITY, E.C. Where the argest stock of steel, files, tools, &c., may be selected from.

THE CREDITORS' PROTECTION SOCIETY. CFFICES,-118 AND 119, CHEAPSIDE, LONDON.

The objects of this Society are: "To Protect the Interests of Creditors in all cases and Mercantile Failure. The Thorough Investigation of Debtors' Affairs. The Prosention of Fraudulent Debtors: and the Speedy Recovery of Outstanding Debts, rithout the risk of incurring heavy law expenses.

Full prospectuses forwarded on application to—

J. MARSHALL, Manager.

MINING PROSPECTUSES AND ANNOUNCEMENTS OF PUBLIC COMPANIES should be inserted in the BARNSTAPLE TIMES, published every Tuesday, and in the DEVON POST, published every Saturday, as these papers circulate largely throughout Devon and Cornwall, where many thousands of investors reside. Legal and Public Companies' advertisements, 6d. a line and insertion: Trade and Auctions, 4d. a line; Wanteds, &c., 20 words, 1s. Published by J. B. JOYES, Boutport-street, Barnstaple, Devon to whom allorders, post or telegraph should be sent.

PARR'S LIFE PILLS.—The Warm Balsamic and Invigorating Powers of this pure Herbal Medicine are wonderful. A trial of a single dose will produce conviction that they invigorate the feeble, restors the invalid to health, and do good in all cases. Sold by all chemists.

368			E	MINING	JOURNAL	1.	APRIL 3.
THE		SHARE LIST.	2	Shares. Aberdannant.	4. Llanidloes*	Paid. Last Pr. Clos. Pr. 1 0 0 14 14 14	NON-DIVIDEND MINES—Continu Shares. Mines. 10000 West Boskear, t, s-l, bl, c, Camborne Paid. La
Alderley Edge, c, C 300 Bampfylde, c, i, m:	Paid. Cheshire* 10 0 0 n., Devon* 1 0 0	Last Pr. Clos. Pr. Total divs. Per share. Last 12 6 8 0 5 0Jan 3 3½ 3½ 0 2 0 0 2 0June	paid 12 1875 1873	2000 Assheton, l, Cr 0000 Ballycummisl 2000 Bedford Core	s-i, Cardigan	b 0 0	
000 Blaen Caelan, s-l, C 000 Betallack, t, c, Bt 000 Bronfloyd, *t s-l, Ci	Prid. Prid. Prid.	45 40 45 619 15 0 5 • 0 Aug. 5 4 5 3 6 6 0 4 0 Mar.	1872 1872 26 1872 1875	2000 Bedford Unite 5000 Belstone, c, I 5000 Blue Hills, t,	arnarvonshire* , t,* c, Schull , t,* c, Schull , t,* c, Tavistock , t,* c,* c,* c,* c,* c,* c,* c,* c,* c,* c	1 17 6 36 36 36 1 0 0 2 136 2 2 4 6 —	6000 Wheal Agar, c, Illogan 10 10 0 10 0 10 0 10 0 10 0 10 0 10 0
648 Cargoll, s.l, Newly 100 Cashwell, l, Cumbe 100 Curn Brea, c, t, Illo	n6	1½ 1½ 1½ 4 16 3 0 12 6 Oct 1 6 6 0 2 6 Aug 49 45 47 308 0 0 1 0 0 Feb.	1872 15 1873 20 1874 20	2000 Bog, l, Shrops 2000 Bowden Hill, 0000 Brynambor, l, 0000 Burrows Bry	mn	2 0 0	741 Wheal Basset and Grylls, t 918 6 6000 Wheal Coates, t, St. Agnes 918 6 6000 Wheal Crebor, c Taylord 2 0 18 6
80 Ccok's Kitchen, t, 1 40 Devon Gt. Consols, 96 Delcoath, e, t, Cam	Hilogan†	8 8½ 11 17 0 0 7 6 June 1½ 1½ 2 116 10 0 0 12 0 May 48 45 47 106 6 8 0 10 0 Mar 0 2 0 0 2 0 0 2 0 10 0 Mar 0 2 11 0 0 5 Feb.	1873 1872 1875				8400 Wheal Emma, t, c, Buokfastleigh 1 0 1 10 0 1 2000 Wheal Jewell, c, Marazion 9 17 6
00 Drake Walls, t, c, C 00 Fast Balleswidden, 44 East Caradon, c, St	Calstock	0 2 0 0 2 0 July 0 2 11. 0 0 5 Feb 11½ 11½ 14 19 0 0 2 0 Oct 224 10 0 1 0 0 Oct.	1874 12 1874 30 1872	2000 Cae Gynon, 1, 2000 Caldbeck Fells 600 Carden* (£10 s 5584 Carn Camborn	Cardiganshire*†, l, Cumberland*hares)	2 0 0 — 2 0 0 — 4 0 0 — 5 3 6 —	3000 Wheal Peevor, t, Redruth 510 0 510 0 1 00
DO East Pool, t, c, Illog 06 East Wheal Lovell, 00 Exmouth, s-l, Chris	gan 0 99 t, Wendron*1 5 19 0 stow 0 7 6	12141114. 1214 13 11 3 0 2 6 May 7 714 8 20 7 6 0 7 6 Oct — 0 1 0 0 1 0 May	1878 10 1874 10 1878 2	1000 Castle Gate, t, 1000 Cathedral, t, c, 1000 Cefn Brwyno (e, c, t, Camborne 8t. Colomb* Gwennap* lim. to £5 e, t, Isle of Man*(£2 sh.)	1 10 0 1 1½ 1 1½ 5 0 0	1 0 0 4096 Wheal Speedwell, t, c, Breage
00 Foxdale, l, Isle of N 00 Glasgow Cara., c* [3 00 Great Laxey, l, Isle 00 Great West Van, l,	Man*† 25 0 0 30,000 £1 p., 10,000 15s. p.] 5 of Man* 4 0 0 Cardigan* 2 0 0	80 15 0 0 10 0 Sept. 8 7 4 0 1 6 Jan. 12½ 12 13 17 9 0 0 6 0 Jan. 4 ½ ½ 0 2 0 0 1 0 Aug.	1872 20 1875 10 1875 24 1874 24	1000 Central Foxdale 1000 Central Van,* 1000 Court Grange, 1051 Crenver & Abr	s, l, Isle of Man*(22sh.) l, bl, Llanidles s l, Cardiganshire aham*† (25949 sh. £1).	5 0 0 — 1 0 0 — 2 0 0 —	1200 Zennor, t, Cornwall 5 0 0 5 0 0
08 Great Wheal Vor, t, 00 Green Hurth, l, Du 00 Grogwinion, l, Card	[Cleer] 2 14 6 diganshire 32 0 0 diganshire 32 0 0 gan 0 9 9 7, Wendron* 5 19 0 stow 0 7 6 Man* 25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	34 334 15 19 6 0 2 6 June 1 12 0 0 4 0 Oct 34 3 34 0 2 0 0 1 4 Oct 14 134 0 2 3 0 1 3 Feb.	1872 15 1874 15 1874 10	000 Cwm Bychan,* 0000 Cwm Nant Dd 0000 Cwm Ricket au 256 Cwmystwith	e, l, 1sie of Man" (22 sh.) l, bl, Llanidloes	1 0 0 1 0 0 2 11 0	Shares. Company. £100 Abbot, John, and Co. [L.]
4 Herodsfoot, l, near l 0 Hingston Downs, c, 0 Killaloe, sl, Tippera	Liskeardt 8 10 0 ,Calstock*† (£1sh.)2 5 0 ,ry 1 0 0	3½ 3 3½ 62 5 0 0 15 0 Oct. 1½ ½ 1½ 4 3 0 0 5 0 Dec. 0 3 11½ 0 0 6 Mar.	1872 18	5000 Deer Park, t,c,	Tavistock	9 00	100 Ashbury Co. [L.] 5 0 0 90 0 0 10 Bagnall, John, and Sons [L.] 10 Benhar Coal Co. [L.] 10 0 0
O Lisburne, l, Cardiga O Lovell, t, Wendron O Melindur Valley, l, O Minera Mining Co.,	Cardigan* 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	— 564 10 0 1 0 0 July — 0 17 6 0 1 6 Jan 3 2½ 3½ 0 7 2 0 3 7 Jan 10 7½ 10 63 17 2 0 2 0 Feb.	1874 10 1875 10 1875 15	.000 Dolwen Consol .000 Dubby Syke, l, .000 Duchy Great (.000 Dyliffe,* l, Mc	Gulval	1 0 0 – 0 5 0 – 14 14 8 0 0 – 6 0 0 –	Shares. Company. Priol
Mining Co. of Ireland North Hendre, l, W. of North Levant, t, c, is Old Treburgett." 3-l.	nd, cl, c, l* 7 0 0	— 0 8 0 0 3 6 July 0 17 6 0 2 6 Oct 234 234 234 4 13 0 0 12 0 Sept 0 9 9 0 0 9 Feb.	1872 1874 1878 1874	512 East Basset, c, 800 East Black Cra 1000 East Boscaswel	Redruth†]	8 10 0 4 3 4 25 0 0 — 5 0 0 —	4 Blaen Cwmbach Coal Co. [L.]
8 Old Treburgett, s.l. 4 Pedn-an-drea, t, Rec 6 Penhalls, t, St. Agno	St. Just	34 36 1/2 0 1 4 1/2 0 0 6 July 6 4 5 0 5 0 0 5 0 Nov 2 13/2 2 3 9 6 0 2 6 Jan 13/2 3 9 6 0 1 0 Nov.	1871	1000 East Univerton	, t, Perranzabuloe	0 0 0 0 138 136 136	50 Blaenavon Iron and Steel Co. [L.] 37 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
O Phonix, t, c, Linkin 2 Polberro, t, St. Agno O Prince Patrick, * s-l,	меннар	3/2 3/2 3/2 0 2 0 0 1 0 Nov. 2/3 2/3 39 19 10 0 4 0 Nov. 1 12 6 0 5 0 Mar. 0 9 0 0 2 0 Jan. 4/4 4/4 104 12 6 0 10 0 Sept.	1872 300 1872 150 1875 20	000 East Gunnislak 000 E. Nant-y-mwy 000 East Van, l, Ll 000 Elgar,* s-l, Car	c, Camborne	1 0 0 — 5 0 0 213% 15% 1 0 0 —	50 Brown, Bailey, and Dixon [L.]
0 Roman Gravels, I, 8	Balop* 7 10 0	1234 12 1214 4 10 6 0 8 6 Dec.	1874 50	5000 Flintshire,* l .	onkin United* 4	6 0 0	100 Cammell and Co. [L.]
South Caradon, c, 8 South Cara Brea, c, South Darren, l, Car So. Pr. Patrick,* s-l.	t, Illogan \$ 2 1 6 3 6 6 (8000 sh. issued) 1 0 0	102½ 100 110 419 0 0 2 0 0Dec. 1½ 1 1½ 0 10 0 0 2 6July 1 1 6 0 1 6Nov.	1872 86 1870 18 1875 9	000 Frank Mills, l, 000 France Hill, t, Tr 000 Gawton, c. Tox	, t, c*	4 16 0 58 34 36 0 15 0 1 0 0 8 17 6 58 34 34	5 Chapel House Colliery
Tankerville, l, Balop Tincroft, c, t, Pool,	ited, t*	— 0 9 0 0 4 0Nov. 1 1034 1134 12 3 8 0 0 6 0Feb 25 22 23 47 18 6 0 5 0Feb 0 1 0 0 1 0 Mer.	1871 50 1873 128	000 Gem, t, White 500 Gilfach, s-l, Lls 000 Glan Severn, s- 000 Gobbett, t Dec	istock hurchngadock /, Flintshire	2 10 0 — 2 0 0 — 1 0 0 —	5 Chapel House Colliery
Trumpet Consols, t, Van, l, Llanidloes*	Heiston 6 7 10 0 4 5 0	24 22 24 14 11 6 0 12 0 Apr.	1872 120 1875 71 1878 20	000 Goginan, and L 500 Gorsedd and M 000 Gt. East Foxdal	t, Finishire. trmoor	1 5 0 — 2 10 0 — 6 13 0 —	00 Cooke, William, and Co. [L.] 20 0 0 20 10 Davis's Merthyr Colliery Co. [L.] 10 0 0 20 Davis's Merthyr Colliery Co. [L.] 10 0 0 20 Davy Brothers [L.] 22 10 0 1 32 Ebbw Vale Co. [L.] 29 0 0 1 6 Fairbairn Engineering 20 0 0 1 0 General Mining Ass. [L.] (21 returned) 9 0 0 10 General Mining Ass. [L.] (21 returned) 9 0 0 10 Glasgow Port Washington [L.] 8 0 0 20 Great Western Coal Co. [L.] 17 0 0 2 Gwyngwillim Colliery Co. [L.] 2 0 0 10 Hendreforgan Colliery Co. [L.] 2 0 0
West Wheal Frances Wheal Basset, c, Illo Wheal Jane, t, Kea	Transaculoe	10 99½ 3126 \$ 5 0 Oct. 1 734 \$ 734 638 10 0 1 10 0 Aug. 1 4 4 4 4 3 11 0 0 1 0 0 Dec. 1	872 20 1872 40 1874 180	000 Great Retallack 096 Great Wh. Lov 000 Grosvenor, l, H	, s-l, b, Perranzabuloe ell, t, Wendron	3 8 0 — 3 4 0 — 0 7 0 —	32 Ebbw Vale Co. [L.]
Wheal Prussia, t, Re	edruth 2 0 0 .	0 10 0 10Dec. 1	1872 60 1872 60 1874 250	000 Islay, t, Scotian 000 Keswick United 000 Killifreth, t, Cl 000 Kingston Conso	I, l ⁿ	1 0 0 — 8 0 0 — 1 2 0 — 1 0 0 11/1 11/1 11/1	20 Great Western Coal Co. [L.]
Whosi Russell c To	avistock 1 0 0	_ 0 9 9 0 0 6 Nom 1	1873 120 1872 28 1875 100	500 Levant, c, t, St. 500 Levant, c, t, St. 600 Llanarmon, De	alop Just nbigh	2 10 0 2¾ 2¾ 8¼ 8 10 0 — 2 0 0 —	10 Hendreforgan Colliery Co. [Li.]
Alamillos, I, Spain*	FOREIGN DIVI	DEND MINES, 2½ 1½ 2 1 79 0 20Mar. 1 ½ ½ ½ 0 5 3 0 1 0Mar. 1	150 1875 250 1875 300	000 Llanrhaiadr, l, 000 Llanrwst, l, Car	Montgomery*(£2 sh.)	1 0 0 11/411/4 11/4 1 0 0 — 2 0 0 —21/2 21/4	5 Littledean Woodside Coll. Co. [L.] 5 0 0
			1874 176	000 Llywernog, l, C	Cardiganshire	0 16 0 — 4 18 6 116 26 1	10 Llangennech Colliery Co. [L.] 10 0 0 50 Llynvi , Ogmore, & Tondu Co. [L.] 6 0 0 13 Llynvi Valley Col. Co. [L.] 15 p.c. pref. 10 0 0 10 Lydney and Wigpool Iron Ore [L.] 7 5 0 10 Marbella Iron Ore Co. [L.] 10 0 0 10 Merry and Cuninghame [L.] 3 10 0 6 Mersey 8teel and Iron Co. [L.] 5 0 0 5 Mold Argoed Colliery Co. [L.] 5 0 0 10 Monkland Iron and Coal Co. [L.] 10 0 0 0 10 Mildland Iron Co. [L.] 5 0 0 4 Mwyndy Iron Ore [L.] 3 10 0 10 0 0 Narth Colling Co. [L.] 3 10 0 10 0 0 Narth Colling Co. [L.] 3 10 0 10 0 0 Narth Colling Co. [L.] 3 10 0 10 0 0 Narth Clean Blain (6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Burra Burra,* c, So. Cape Copper Mining Cedar Creek, g, Cali Central American As	Australia	0 17 4 0 8 0 July 1 56 0 0 10 0 10 0 1 35 31 52 xd. 19 15 0 1 0 0 Mar. 1 1/4 1/4 1/4 0 6 0 0 2 6 June 1 0 6 0 0 1 0 July 1	872 250 875 25 873 46	524 Nangiles, t, c, 1 000 Nanty, l, Mont	Kea	1 0 0 — 0 14 0 ¼ ¾ ¾ 1 0 0 —	6 Mersey Steel and Iron Co. [L.] 5 0 0 5 Mold Argoed Colliery Co. [L.] 5 0 0 10 Monkland Iron and Coal Co. [L.] 10 0 0 10 Midland Iron Co. [L.] 5 0 0
Chicago, o, other		and and I won to a bringain.	875 200 875 200 872 80	Nant y-Ricket, 000 New Beldon, l, 000 New Consols, c, 000 New Dolcoath,	Northumberland* Tavistock*	5 0 0 — 1 0 0 0 — 3 0 0 0 3½3½ 3½ 3 0 0 0 1½ 1 1½ 3 0 0 0 2 1½ 2	4 Mwyndy Iron Ore [L.]
Eldorado, g, Nova 8 Emma,* g, s, Utah (English and Austral	4, Colorado*† b 0 0 el Rey*† 0 16 0 rra, s, Nevada*† 10 0 0 lectia* 10 0 0 25,000 fully pd.) 20 0 0 lian, c† 8. Aust. 2 10 0	136 1 136 3 12 0 0 6 0Dec. 1 136 136 2 10 9 0 2 6Mar. 1	878 40 872 20 875 150	196 New Fowey Con 196 New East Love 1900 New Hendra, t 1900 New North Tau	Northumberland* Tavistock* t, c, Camborne* sols, t, St. Blazey* ll, t, Wendron Breage ar,* s-l, Beerferris t, c, Par Station s, c, Gwinear	3 0 0 2 1½ 2 0 10 0 — 2 7 0 1½ 1 1½ 2 0 0 —	100 Nant-y-Glo and Blaina (8 p. c. pref.) 100 0 0 4 10 Neepsend Rolling Mills [L.]
	nia*		873 50 875 82 872 50	100 New Pembroke, 100 New Rosewarn 100 New South Mei 1000 New St. Blazev	, t, c, Par Station 8 b, c, Gwinear 4 ellyn, l, Flint* 2 *t, Cornwall 6 warne, t, Gwinear 8	4 6 4 17 0 * * 14 17 0 * 10 17 6	10 Northneid Iron Co. [L.]
Last Chance, s,* Uta Linares, l, Spain*† Lusitanian, Portuga	ah	¼ ½¼ 0 2 4 0 0 6June 1 1½ 1½ 1½ 136 0 14 0 0 2 0July 1 4½ 3¼ 4½ 14 19 2 0 5 0Mar. 1 1¼ ¾ 1¾ 1 11 6 0 1 6Mar. 1	875 12	200 New Wh. Seton	c Camborne 90	110 0	20 Petent Shaft and Axletree [L.] 10 0 0
Mammoth Copperor Mountain Chief, s, Prussian Mining & I Pontgibaud, s-i, Fra	Utah*	— 0 5 0 0 5 0Dec. 1 — 0 4 0 0 4 0Jan. 1 6 0 0 3 0 0July 1 22 20 22 15 16 8 0 19 9July 1	872 200 873 20 873 100	000 North Pool.* c	atrick,* l, Holywell 1)wan, t, c, Illogan 1 (Res. 2500, Deb. 5000l.) 2	1 19 6	100 Samuel Fox and Co. [L.]
Port Phillip, g, Clun Richmond Consols, s Scottish Australian Sierra Buttes, g, Cal	10 0 0 2 0	¾ ½6 ½6 1 8 0 0 1 0 dan. 1 7½6 7½6 2 6 6 0 5 0 Mar. 1 1½ 1½4 1½6 18 per cent Nov. 1 2½ 2 2½ 1 10 0 0 2 0 Oct. 1	872 80 875 59	100 North Treleigh 136 North Treskerb 1000 Old Batholes,*	Wood, t, Redruth* 1 y, c, St. Agnes 3 l, Salop	1 0 0 1 3/ 1 8 12 10 — 1 10 0 —	100 Sheepbridge Iron and Coal [L.] 55 0 0 2
Bouth Aurora, s, Ne 0 St. John del Rey*† Sweetland Creek, g, Tolima, g, s* (6000 a)	vada*		873 60 874 25 874 40	500 Old Talargoch, b 500 Old Tineroft, c, 500 Parbola, t, Cam 923 Parys Mountai	t, Salop	2 0 0 — 4 0 0 3½ 4 4½ 5 0 0 — 8 0 0 ¾ ½ ¾	20 Skerne Ironworks [L.] 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Prussia* 20 00 New Granada). 5 00 NON-DIVIDEND F		878 20 874 120 160 120	1000 Penhale Wheal 1000 Pennerley, l, St 1000 Perkins Beach, 1000 Plynlimmon, l.	f. Illogan* 5, Illogan* 5, *c, Anglesea	8 15 0 — 2 0 0 1¼ 1¾ 2 1 0 0 ¾ ¾ ¾ 2 5 0 ¼ ¾ ¾	50 Silkstone & Dodworth Cl: & Iron[L.] 22 0 0 5 Silkstone Fall Colliery Co. [L.] 5 0 0 20 Skerne Ironworks [L.] 50 0 0 50 Somorrostro Iron Co. [L.] 50 0 0 20 South Wales Coal Co. [L.] 17 0 0 100 Staveley Iron and Coal Co. [L.] 60 0 0 100 Ditto ditto New 10 0 0 120 South Cleveland Ironworks [L.] 20 0 0 120 Swansea Valley Steam Coll. Co. [L.] 60 0 0
Mines. Anglo-Australian, g, Australian United, g Bellavista, s, Peru* (Victoria*, Victor!a*†	Paid. Last Pr. Clos. Pr. Last Co. 2 10 0 Sept. 1 11/2 Fully 10 0 0 11/2 Fully Fully	872 20 pd. 128	348 Polrose, t, Brea 300 Prideaux Wood 800 Prince of Wales 300 Rookhope Vall	te	3 0 0 —20 22½ 5 0 0 — 5 6 ½ ½ ½ 6 0 0 ½ ½ ½ 7 6 ¾ ½ ½	100 Thames Iron Company 100 0 0 7½ Titanic Iron and Steel 5 0 0 20 Ulverston Mining Co. [L.] 10 0 0 1 United Bituminous Collieries [L.] 1 0 0 10 Vancouver Coal [L.] 6 0 0 100 Vickers, Sons, and Co. [L.] 100 0 0
Blue Tent, hyd., Call Braganza, g, Brazil* Camp Floyd, s, Utal Cesena Sulphur Com	ifornia	5 0 0 5¼ 5 5¼ Fully 0 15 0 - Oct. 10 0 0 - Fully 10 0 0 - Fully	pd. 88 870 60 pd. 80	869 Rosewall Hill a 900 Rosewarne Uni 900 Russell, s-l, Sw	nd Ransom, t	7 6 % ¼ ¾ 10 0 —	10 Vancouver Coal [L.]
Chontales, g, s, Nica Clifton, s, Colorado Cressent, g, Plumas Cuiaba, g, Minas Go	† ** ** ** ** ** ** ** ** ** ** ** ** *	10 0 0 0	pd. 81 872 50 pd. 126	512 South Dolcoath 000 South Great W 000 South Kit Hill	mbridge w, t, c, Camborne 0	5 6 4½ 4 4½ 9 5 0 1½ 1 1¾ 1 4 0 —	100 Vickers, Isons, and Co. [L.]
Excelsior Hydraulic Exchequer, g, s, Cali	Gold Washing Co., Califor ifornia.	rnia* 6 0 0 Fully	pd. 120 871 120 pd. 18	700 South Margaret 000 South Phœnix, 000 South Roman (t, c, Linkinhorne 1	0 12 6 — 1 10 0 — 1 0 0 — 1 10 0 — % %	
ronune and Belivis Jeneral Brazilian, g Joetzel Tunnel Co., Jolcombe Valley, g,	a, g, New Granada*†, Georgetown, Col. , **California 10 shares) Spain Collieries, Brazil* Illiornia* roia* cays, Spain (£2 shares) oia, g*†	2 0 0	pd. 60 pd. 120 pd. 120	500 South Roskear, 000 South Tolcarne, 000 South Van, 1, 000 South Ward, 2,	t , c , Camborne 6 t , c , Camborne 0 Montgomeryshire 1 Beerferris 3 nees, c , Illogan 35 nees, c , Illogan 5 itty, t , 8t. Agnes 0 T enzance 4 ols, t^* 5	3 0 0 0 18 0 36 16 34 1 0 0 3 0 0 11/ 1 11/4	WAGON COMPANIES. 10 Birmingham Wagon Co. [L.]
iornachos,* s-l, (£) mperial Brazilian C ndependence, g, Cal . X. L., g, s, Califor	Collieries, Brazil* lifornia*	5 0 0 - Fully 5 0 0 - Fully 7 Fully	pd. 60	496 South Wheal Co 496 South Wh. Fra: 000 South Wheal K 432 Spearn Moor, t	orty, c, Illogan 35 nces, c, Illogan† 52 itty, t, St. Agnes (Penzance† 4	5 10 10. 17½15 17½ 3 8 9 10 6 8 5 5 0 — 4 17 9 —	10 Birmingham Wagon Co. [L.]
avall, g, Nicaragua' anestosa, * l, z, Visc onden and Califora (alabar, g, Colombi	caya, Spain (£2 shares) nia, g*†	1 12 6 7 11 Fully 8ept 8ept 10 1	pd. 140 1874 pd. 100	000 St. Agnes Consc 000 St. Blazey t.* (000 St. David's,* s-1 940 St. Ives Consol	Penzance! 46 bls, t* 47 £2 10s. shares) 5 £3 10s. shares) 19 £4 10s. shares) 19 £5 10s. shares) 19 £6 10s. type 11 £7 10s. typ	5 0 0 — 6½ 6 2 0 0 — 1 0 0 — 2 18 0 2½ 1½ 2½	
Malaga, l, Spain* Malpaso, g, Colombi Menzenberg, c, Hon	ia* (10000 pref. shares, 15s. nef, Germany*	paid) 1 0 0	pd. N	Maman Consola	- 7 Titt - T		TELEGRAPH COMPANIES. "8t." Anglo-American 100 0 0 6 10 Brazilian Submarine 10 0 0 1 20 Direct United States Cable 20 0 0 1
Monte Loreto, g, c, I New Pacific, g, s, N New Quebrada, c, V	Italy*	., N. Boot. 2 0 0 Allotm 5 0 0	nent 8	Sold Tumar Amey,	1-4, Deeraiston 1	. 10 0	10 East. Exten., Australia and China 10 0 0
New Zealand Kapan Newfoundland, * i . North American, g*.	iga, g, Coromandel*	1 0 0 0 34 34 Fully 5 0 0 134 34 134 Fully 10 0 0 Fully Fully Fully	pd. 10 pd. 12 pd. 12	024 Treleigh Wood, 547 Trelyon Consol 000 Trethellan, s-l,	# ## ## ## ## ## ## ## ## ## ## ## ## #	18 0 7½ 4 4½ 1 5 0 ½ ½ ½ 5 0 0	10 Great Northern
Panuicilio, c, Chili*† Pestarena United, g, Rica, g, Colombia* (Rio Tinto,* c, Huelv	(£80000 debentures) , Italy*† (40000 issued) va, Spain	4 0 0 1½ 1½ 1½ 1½ Fully 3 0 0 -	pd. 20 pd. 196	200 Trevarrack, t, c 200 Tucker's Downs	, Uny Lelant	10 0	The state of the s
Ruby Consolidated, Russia, c. Orenburg	s, Nevada*		pd. 200 pd. 10	1000 Unity Wood, t, 1000 Van Consols, l, 1000 Vaughan, s-l, C	c, Kenwyn	3 2 6 34 34 34 2 10 0 234 234 234	MISCELLANEOUS. 25 Copper Miners of Eng. (7 p. c. p. ef.) 25 0 0 5 Diamond Rock Boring
Santa Barbara, g, E Silver Plume, s, Col-	Brazil (10000 new 16s. ah.,2s	. 6d. pd.). 0 9 6 % 1/2 1/2 Fully	pd. 200 1872 pd. 200	000 West Basset, c, 000 West Bryn Celj 100 West Condurre	Illogan†]	3 16 8 6½ 6½8½ 1 0 0 —	1 Glaisdale Whinstone Quarry
Treoma, s, Utah* Thornhill Reef, g, A United Mexican, s,	ustralia* Mexico*†]	2 0 0	pd. 120 pd. 50 pd. 120	000 W. Esgair Lle, 000 West Godolphi 000 West Goginan, 000 West Great We	t, Card. 2 t, c, Breage 1 Cardiganshire 2 k, t, Breage* 1 g, s-i, Montgomery 2 ortescue, t, c, Lamer.	1 13 6 1½ 1 1½ 1 0 0 1½ ½ 1	b, blende; cl, coal; c, copper; g, gold; l, lead; s, sliver-lead; t, tin; s, zinc. Limited Liability Companies; † quoted on the Steel I have paid dividends.
Utah, o, s-i, Utah*	a Anatomilia cos ana al an	. pd.) 1 0 0 1 Fully Fully	pd. 100 pd. 120	000 West Llangyno	orteanne i Terre	0 0 11 111	I have paid dividends.
Victoria (London)*, Yorke Peninsula, c, Yorke Peninsula, c.	South Australia Booth Australia	1 00 14 14 Fully	pd. 000	000 West Milwr, s-	ortescue, t, c, Lamer. 4, Flint 1, s-l, Flint* 1, Linkinhorne 0, t, 8t. Agnes 3	9 0 36 36 36 0 0 36 34 36	London: Printed by Richard Middleton, and Henry English (the proprietors), at their offi- STREAT, E.C., where all communications are re- addressed - April 3, 1875

_	APRIL 3, 18
Pr.	NON-DIVIDEND MINES - Continued,
36 136	12000 West Roskear, t, s-l, bl, c, Camborne Puid, Last Pr. o
	6000 West Wheal Gorland, t,c 106 116 1292 West Wheal Seton, c, Cambornet 314 0
2	5000 Wheal Allen, ** s-l** 6000 Wheal Alrgus, t. Sancreed 1 0 0 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
6	292 West Wheal Seton, c, Cambornet 88 15 0. 19 - 6000 Wheal Agns, c, Illogan. 10 10 0. 19 - 6000 Wheal Allen, *s-t 1 0 0. 34 1 0 0. 34 1 0 0. 34 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	6000 Wheal Crebor, c, Tavistock
	12000 Wheal Jewell, c, Marazion
	3000 Wheal Peevor, t, Redruth 519 0. 43 4 10000 Wheal Ruby, t, Ludgvan 510 0. 53 50 6 55 50 6 55 55 55 55 55 55 55 55 55 55 55 55 5
	1000 Wheal Speedwell, t, c, Breage
	6000 Wheal Coates, t, St. Agnes. 9 18 6. 6000 Wheal Crebor, c, Tavistock. 2 0 0. 8400 Wheal Emma, t, c, Buckfastleigh 1 10 0. 8400 Wheal Emma, t, c, Buckfastleigh 1 10 0. 8401 Wheal Graville, c Camborne* 9 17 6. 12000 Wheal Javell, c, Marazion. 1 1 0. 12000 Wheal Javell, c, Marazion. 1 1 0. 8401 Wheal Reproserved the state of th
	· IRON AND COAL COMPANIES
	£100 Abbot, John, and Co. [L.]
	5 Alltami Colliery Co. [L.]
	50 Pilha Tran On A TT
í	0 10 10 10 10 10 10 10
	4 Blaen Cwmbach Coal Co. [L.] 4 0 0 par 4 50 Blaenavon Iron and Steel Co. [L.] 37 10 9
.,	100 Bolckow, Vanghan, and Co. [L.]
16	5 Brynkinalt Collieries [L.] 50 00.
16	50 Britannia Ironworks [L.]
-8	
	10 Cardigan Steel and Wire Co. [L.] 7 10 0 7 10 Central Swedish Iron and Steel [L.] 10 0 7 10
	50 Charlton Iron Co. [L.]
i	50 Chatterley Iron Co. [L.]
	1 Consett Spanish Ore [L.]
	20 Darington Iron Co. [L.] 8 0 0 8%
	32 Ebbw Vale Co. [L.] 29 0 0 10 9
	10 General Mining Ass. [L.] (21 returned) 9 0 0 54 1 10 Glasgow Port Washington [L.] 8 0 0 54 1 30 Greet Western Coal and L 8 0 0 34 3
	20 Great Western Coal Co. [L.]
M M	10 Ifton Rhyn Colliery Co. [L.] 10 0 0 44 34 10 11 11 10 0 0 84 34
	5 Killan and Three Crosses Colliery [L.] 3 10 0 50 Knowles, Andrew, and Sons [L.] 17 0 0 34 4 10 Llay Hali Coal, Iron, & Firebrick [L.] 10 0 0 34 4 5 Littledean Woodskie Coll. Co. [L.]
4	5 Littledean Woodside Coll. Co. (L.) 5 0 0 10 Llangennech Colliery Co. (L.) 10 0 0 50 Llynvi, Ogmore, & Tondu Co. (L.) 46 0 0 16
	13 Liyhvi valley Col. Co. [L.] 15 p.c. pref. 10 0 0
	10 Marbella Iron Ore Co. [L.] 10 0 0 0 54 1 1 10 Merry and Cuninghame [L.] 3 10 0 1 14 14 16 Mersey Steel and Iron Co. [L.] 5 0 0 7
	10 Monkland Iron and Coal Co. [L.] 10 0 0 7
6	100 Nant-y-Gio and Diama (8 p. c. pref.) 100 0 0 40 41
	10 Neepsend Rolling Mills [L.]
	10 Northmptn. Coal, Iron & Wagon [L.] 8 0 0
	10 Northfield Iron Co. [L.]
	10 Parkgate Iron Co. [L.] 65 0 0 96 27 10 Parkgate Iron Co. [L.] 65 0 0 96 27 20 Patent Shaft and Axletree [L.] 10 0 0 44 54 54 20 Palsall Coal and Iron [T.] 15 0 0 4 2 25 Phonix Bessemer Co. [L.] 40 0 0 31 30 25 Phonix Bessemer Co. [L.] 40 0 0 31 30 26 New Jan March March Coal Co. [T.] 40 0 0 31 30 27 28 28 28 28 28 28 28
	50 Rhondda Merthyr Coai Co. [L.] 50 0 0 50 Rhymney Iron Co. [L.] 50 0 0 31 30 10 Richards and Company [L.] 4 0 0 50 0 0 50 0 0 0 50 0 0 0
	100 Samuel Fox and Co. [L.]
ĺ	Solution
	50 Silkstone & Dodworth Cl. & Iron[L.] 22 0 0 8 Silkstone Fall Colliery Co. [L.] 5 0 0 20 Skerne Ironworks [L.] 20 0 0
	50 Somorrostro Iron Co. [L.]
	100 Staveley Iron and Coal Co. (L.) 60 0 0 55 51% 100 Ditto New 10 0 0 10% 11 20 South Cleveland Ironworks [L.] 20 0 0 12 10 10 Swansea Valley Steam Coll. Co. [L.] 6 0 0 0
	100 Thames Iron Company 100 0 0
	7½ Titanic Iron and Steel
	10 Vancouver Coal [L.]
	50 Welsh Ironworks Co. [L.]
	50 Welsh Ironworks Co. [L.]
	100 Wigan and Whiston Coal Co. [L.] 70 0 0 100 Wigan Coal and Iron Co. [L.] 75 0 6
	WAGON COMPANIES.
	10 Birmingham Wagon Co. [L.]
	50 Midland Wagon Co. [L.]
	10 Parkgate Wagon Co. [L.]
	TELEGRAPH COMPANIES.
	"St." Anglo-American
	10 Eastern
1	10 Great Northern
	8 Reuters 8 0 0 123 123 123 124 125 125 125 125 125 125 125 125 125 125
	10 West India and Panama 10 0 0 3½ 3½ 20 Western and Brazilian 20 0 0 16½ 16½ \$1000 Western Union, 7 per cent. Mort. Bonds \$1000 104
	MISCELLANEOUS
6	5 Diamond Rock Boring
	10 Silber Light (ord. sh.) 10 0 0
	A blenda: of soul; a copper; a gold; & lead; a silver; al, ale
	*.i, aliver-lead; t, tin; z, zinc. *Limited Liability Companies; † quoted on the Stock Excitation [have paid dividends.
1	